

Albert Y Zomaya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3875132/publications.pdf>

Version: 2024-02-01

837
papers

24,215
citations

12330

69
h-index

19190

118
g-index

911
all docs

911
docs citations

911
times ranked

17761
citing authors

#	ARTICLE	IF	CITATIONS
1	Incentive-Driven Proactive Application Deployment and Pricing on Distributed Edges. IEEE Transactions on Mobile Computing, 2023, 22, 951-967.	5.8	4
2	Latency and Energy-Aware Load Balancing in Cloud Data Centers: A Bargaining Game Based Approach. IEEE Transactions on Cloud Computing, 2023, 11, 927-941.	4.4	5
3	Dynamic Parallel Flow Algorithms With Centralized Scheduling for Load Balancing in Cloud Data Center Networks. IEEE Transactions on Cloud Computing, 2023, 11, 1050-1064.	4.4	2
4	Energy efficient resource controller for Apache Storm. Concurrency Computation Practice and Experience, 2023, 35, .	2.2	1
5	Federated Clouds for Efficient Multitasking in Distributed Artificial Intelligence Applications. IEEE Transactions on Cloud Computing, 2023, 11, 2084-2095.	4.4	3
6	Evaluation Mechanism for Decentralized Collaborative Pattern Learning in Heterogeneous Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 13123-13132.	8.0	3
7	A Mutual Information-Based Assessment of Reverse Engineering on Rewards of Reinforcement Learning. IEEE Transactions on Artificial Intelligence, 2023, 4, 1089-1100.	4.7	0
8	A Multi-Objective Optimization Scheme for Job Scheduling in Sustainable Cloud Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 172-186.	4.4	21
9	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Discriminative Multi-Scale Deep Features. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 955-968.	13.9	45
10	Power Control Framework for Green Data Centers. IEEE Transactions on Cloud Computing, 2022, 10, 2876-2886.	4.4	7
11	MultiScaler: A Multi-Loop Auto-Scaling Approach for Cloud-Based Applications. IEEE Transactions on Cloud Computing, 2022, 10, 2769-2786.	4.4	12
12	DS-ADMM++: A Novel Distributed Quantized ADMM to Speed up Differentially Private Matrix Factorization. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1289-1302.	5.6	7
13	DPoS: Decentralized, Privacy-Preserving, and Low-Complexity Online Slicing for Multi-Tenant Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4296-4309.	5.8	16
14	Partial Synchronization to Accelerate Federated Learning Over Relay-Assisted Edge Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4502-4516.	5.8	17
15	AutoDiagn: An Automated Real-Time Diagnosis Framework for Big Data Systems. IEEE Transactions on Computers, 2022, 71, 1035-1048.	3.4	7
16	Lime: Low-Cost and Incremental Learning for Dynamic Heterogeneous Information Networks. IEEE Transactions on Computers, 2022, 71, 628-642.	3.4	42
17	ARPS: An Autonomic Resource Provisioning and Scheduling Framework for Cloud Platforms. IEEE Transactions on Sustainable Computing, 2022, 7, 386-399.	3.1	29
18	Proposing a Secure Self-Fining Vehicle Using Blockchain and Vehicular Edge Computing. IEEE Consumer Electronics Magazine, 2022, 11, 28-35.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Adaptive Processor Frequency Adjustment for Mobile-Edge Computing With Intermittent Energy Supply. IEEE Internet of Things Journal, 2022, 9, 7446-7462.	8.7	6
20	A Novel Prediction-Based Temporal Graph Routing Algorithm for Software-Defined Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13275-13290.	8.0	28
21	A Time-Sensitive Token-Based Anonymous Authentication and Dynamic Group Key Agreement Scheme for Industry 5.0. IEEE Transactions on Industrial Informatics, 2022, 18, 7118-7127.	11.3	33
22	Federated Learning for COVID-19 Detection With Generative Adversarial Networks in Edge Cloud Computing. IEEE Internet of Things Journal, 2022, 9, 10257-10271.	8.7	55
23	A New Explainable Deep Learning Framework for Cyber Threat Discovery in Industrial IoT Networks. IEEE Internet of Things Journal, 2022, 9, 11604-11613.	8.7	25
24	Adaptive density peaks clustering: Towards exploratory EEG analysis. Knowledge-Based Systems, 2022, 240, 108123.	7.1	8
25	Dependent Function Embedding for Distributed Serverless Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2346-2357.	5.6	24
26	Mobility-Aware Offloading and Resource Allocation for Distributed Services Collaboration. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2428-2443.	5.6	15
27	DONE: Distributed Approximate Newton-type Method for Federated Edge Learning. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1.	5.6	7
28	Edge-Oriented Computing: A Survey on Research and Use Cases. Energies, 2022, 15, 452.	3.1	30
29	Spatial-Keyword Skyline Publish/Subscribe Query Processing Over Distributed Sliding Window Streaming Data. IEEE Transactions on Computers, 2022, 71, 2659-2674.	3.4	3
30	Low Latency Execution Guarantee Under Uncertainty in Serverless Platforms. Lecture Notes in Computer Science, 2022, , 324-335.	1.3	0
31	Managing Heterogeneous and Time-Sensitive IoT Applications through Collaborative and Energy-Aware Resource Allocation. ACM Transactions on Internet of Things, 2022, 3, 1-28.	4.6	2
32	fgSpMSpV: A Fine-grained Parallel SpMSpV Framework on HPC Platforms. ACM Transactions on Parallel Computing, 2022, 9, 1-29.	1.4	6
33	Stochastic Client Selection for Federated Learning With Volatile Clients. IEEE Internet of Things Journal, 2022, 9, 20055-20070.	8.7	30
34	Adversarial Evolving Neural Network for Longitudinal Knee Osteoarthritis Prediction. IEEE Transactions on Medical Imaging, 2022, 41, 3207-3217.	8.9	5
35	FastSlowMo: Federated Learning With Combined Worker and Aggregator Momenta. IEEE Transactions on Artificial Intelligence, 2022, , 1-10.	4.7	1
36	Efficient and Secure Deep Learning Inference in Trusted Processor Enabled Edge Clouds. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4311-4325.	5.6	3

#	ARTICLE	IF	CITATIONS
37	Deep reinforcement learning-based joint load scheduling for household multi-energy system. Applied Energy, 2022, 324, 119346.	10.1	11
38	Fingerprint Identification With Shallow Multifeature View Classifier. IEEE Transactions on Cybernetics, 2021, 51, 4515-4527.	9.5	7
39	Circuit Copyright Blockchain: Blockchain-Based Homomorphic Encryption for IP Circuit Protection. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1410-1420.	4.6	118
40	Routing Schemes in Software-Defined Vehicular Networks: Design, Open Issues and Challenges. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 217-226.	3.8	36
41	MUSE: A Multi-Tier and SLA-Driven Deduplication Framework for Cloud Storage Systems. IEEE Transactions on Computers, 2021, 70, 759-774.	3.4	10
42	Detection of SLA Violation for Big Data Analytics Applications in Cloud. IEEE Transactions on Computers, 2021, 70, 746-758.	3.4	6
43	BaPa: A Novel Approach of Improving Load Balance in Parallel Matrix Factorization for Recommender Systems. IEEE Transactions on Computers, 2021, 70, 789-802.	3.4	4
44	Optimal Application Deployment in Resource Constrained Distributed Edges. IEEE Transactions on Mobile Computing, 2021, 20, 1907-1923.	5.8	98
45	Hybrid Evolutionary Scheduling for Energy-Efficient Fog-Enhanced Internet of Things. IEEE Transactions on Cloud Computing, 2021, 9, 641-653.	4.4	26
46	Efficient mobile code offloading in heterogeneous wireless networks. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	0
47	CASpMV: A Customized and Accelerative SpMV Framework for the Sunway TaihuLight. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 131-146.	5.6	69
48	Towards secure and practical consensus for blockchain based VANET. Information Sciences, 2021, 545, 170-187.	6.9	70
49	Fast Adaptive Task Offloading in Edge Computing Based on Meta Reinforcement Learning. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 242-253.	5.6	184
50	Renewable energy powered sustainable 5G network infrastructure: Opportunities, challenges and perspectives. Journal of Network and Computer Applications, 2021, 175, 102910.	9.1	47
51	A Novel Generation-Adversarial-Network-Based Vehicle Trajectory Prediction Method for Intelligent Vehicular Networks. IEEE Internet of Things Journal, 2021, 8, 2066-2077.	8.7	68
52	A lightweight solution to epileptic seizure prediction based on EEG synchronization measurement. Journal of Supercomputing, 2021, 77, 3914-3932.	3.6	42
53	Ultra-Dense Networks: A Holistic Analysis of Multi-Piece Path Loss, Antenna Heights, Finite Users and BS Idle Modes. IEEE Transactions on Mobile Computing, 2021, 20, 1702-1713.	5.8	5
54	Developing Practical Multi-view Learning for Clinical Analytics in P4 Medicine. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	3

#	ARTICLE	IF	CITATIONS
55	Graceful Performance Degradation in Apache Storm. Lecture Notes in Computer Science, 2021, , 389-400.	1.3	1
56	PrivGait: An Energy Harvesting-based Privacy-Preserving User Identification System by Gait Analysis. IEEE Internet of Things Journal, 2021, , 1-1.	8.7	1
57	Federated Learning Over Wireless Networks: Convergence Analysis and Resource Allocation. IEEE/ACM Transactions on Networking, 2021, 29, 398-409.	3.8	196
58	An evolutionary fuzzy scheduler for multi-objective resource allocation in fog computing. Future Generation Computer Systems, 2021, 117, 498-509.	7.5	34
59	Game-Theoretic Optimization of the TSCH Scheduling Function for Low-Power IoT Networks. , 2021, , .		1
60	Design and Optimization of Traffic-Aware TSCH Scheduling for Mobile 6TiSCH Networks. , 2021, , .		8
61	Exploring Layered Container Structure for Cost Efficient Microservice Deployment. , 2021, , .		12
62	Novel Online Sequential Learning-Based Adaptive Routing for Edge Software-Defined Vehicular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 2991-3004.	9.2	66
63	LR-GD-RNS: Enhanced Privacy-Preserving Logistic Regression Algorithms for Secure Deployment in Untrusted Environments. , 2021, , .		3
64	MusicID: A Brainwave-Based User Authentication System for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 8304-8313.	8.7	8
65	Online Energy Management under Uncertainty for Net-Zero Energy Ecosystems. , 2021, , .		1
66	Optimal governance and implementation of vaccination programmes to contain the COVID-19 pandemic. Royal Society Open Science, 2021, 8, 210429.	2.4	63
67	Optimizing the Maximum Vertex Coverage Attacks Under Knapsack Constraint. IEEE/ACM Transactions on Networking, 2021, 29, 1088-1104.	3.8	2
68	Interaction between damping characteristics and the initialâ€stage shortâ€circuit current of MMCâ€HVDC transmission systems. IET Power Electronics, 2021, 14, 1871-1878.	2.1	0
69	Secure Lightweight Stream Data Outsourcing for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10815-10829.	8.7	6
70	Running Industrial Workflow Applications in a Software-Defined Multicloud Environment Using Green Energy Aware Scheduling Algorithm. IEEE Transactions on Industrial Informatics, 2021, 17, 5645-5656.	11.3	24
71	Burst Load Evacuation Based on Dispatching and Scheduling In Distributed Edge Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1918-1932.	5.6	33
72	Online Scheduling Technique To Handle Data Velocity Changes in Stream Workflows. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2115-2130.	5.6	5

#	ARTICLE	IF	CITATIONS
73	Machine-Learning-Based Real-Time Economic Dispatch in Islanding Microgrids in a Cloud-Edge Computing Environment. IEEE Internet of Things Journal, 2021, 8, 13703-13711.	8.7	26
74	Towards healthy and cost-effective indoor environment management in smart homes: A deep reinforcement learning approach. Applied Energy, 2021, 300, 117335.	10.1	54
75	Vehicular Computation Offloading for Industrial Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 7871-7881.	11.3	49
76	Dynamic energy dispatch strategy for integrated energy system based on improved deep reinforcement learning. Energy, 2021, 235, 121377.	8.8	88
77	Towards Minimizing the \$R\$ Metric for Measuring Network Robustness. IEEE Transactions on Network Science and Engineering, 2021, 8, 3290-3302.	6.4	3
78	A Taxonomy of Supervised Learning for IDSs in SCADA Environments. ACM Computing Surveys, 2021, 53, 1-37.	23.0	35
79	SLA Management for Big Data Analytical Applications in Clouds. ACM Computing Surveys, 2021, 53, 1-40.	23.0	18
80	Orchestrating the Development Lifecycle of Machine Learning-based IoT Applications. ACM Computing Surveys, 2021, 53, 1-47.	23.0	46
81	Throughput Maximization in Low-Power IoT Networks via Tuning the Size of the TSCH Slotframe. , 2021, , .		2
82	Distributed Online Resource Scheduling for Mobile Edge Servers. , 2021, , .		0
83	QSpark: Distributed Execution of Batch & Streaming Analytics in Spark Platform. , 2021, , .		1
84	Data-Intensive Workload Consolidation in Serverless (Lambda/FaaS) Platforms. , 2021, , .		5
85	TRABAC: A Tokenized Role-Attribute Based Access Control using Smart Contract for Supply Chain Applications. , 2021, , .		3
86	Short-Term Load Forecasting Based on the Transformer Model. Information (Switzerland), 2021, 12, 516.	2.9	18
87	Orchestrating Big Data Analysis Workflows in the Cloud. ACM Computing Surveys, 2020, 52, 1-41.	23.0	35
88	Stochastic scheduling for variation-aware virtual machine placement in a cloud computing CPS. Future Generation Computer Systems, 2020, 105, 779-788.	7.5	12
89	Heterogeneous Job Allocation Scheduler for Hadoop MapReduce Using Dynamic Grouping Integrated Neighboring Search. IEEE Transactions on Cloud Computing, 2020, 8, 193-206.	4.4	25
90	Stochastic Workload Scheduling for Uncoordinated Datacenter Clouds with Multiple QoS Constraints. IEEE Transactions on Cloud Computing, 2020, 8, 1284-1295.	4.4	12

#	ARTICLE	IF	CITATIONS
91	A Spatiotemporal Data Summarization Approach for Real-Time Operation of Smart Grid. IEEE Transactions on Big Data, 2020, 6, 624-637.	6.1	13
92	Online Inter-Datacenter Service Migrations. IEEE Transactions on Cloud Computing, 2020, 8, 1054-1068.	4.4	9
93	An Ancillary Services Model for Data Centers and Power Systems. IEEE Transactions on Cloud Computing, 2020, 8, 1176-1188.	4.4	11
94	Redundancy Avoidance for Big Data in Data Centers: A Conventional Neural Network Approach. IEEE Transactions on Network Science and Engineering, 2020, 7, 104-114.	6.4	21
95	En-ABC: An ensemble artificial bee colony based anomaly detection scheme for cloud environment. Journal of Parallel and Distributed Computing, 2020, 135, 219-233.	4.1	81
96	An Industrial Network Intrusion Detection Algorithm Based on Multifeature Data Clustering Optimization Model. IEEE Transactions on Industrial Informatics, 2020, 16, 2063-2071.	11.3	140
97	Hybrid context enriched deep learning model for fine-grained sentiment analysis in textual and visual semiotic modality social data. Information Processing and Management, 2020, 57, 102141.	8.6	125
98	Probabilistic data structures for big data analytics: A comprehensive review. Knowledge-Based Systems, 2020, 188, 104987.	7.1	30
99	Lightweight Power Monitoring Framework for Virtualized Computing Environments. IEEE Transactions on Computers, 2020, 69, 14-25.	3.4	9
100	IoTSimEdge: A simulation framework for modeling the behavior of Internet of Things and edge computing environments. Software - Practice and Experience, 2020, 50, 844-867.	3.6	69
101	Intelligent VNF Orchestration and Flow Scheduling via Model-Assisted Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2020, 38, 279-291.	14.0	60
102	Towards Accurate Prediction for High-Dimensional and Highly-Variable Cloud Workloads with Deep Learning. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 923-934.	5.6	98
103	Novel Fuzzy and Game Theory Based Clustering and Decision Making for VANETs. IEEE Transactions on Vehicular Technology, 2020, 69, 1568-1581.	6.3	33
104	Dynamical Service Deployment and Replacement in Resource-Constrained Edges. Mobile Networks and Applications, 2020, 25, 674-689.	3.3	21
105	R ² MRF: Defocus Blur Detection via Recurrently Refining Multi-Scale Residual Features. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 12063-12070.	4.9	18
106	DyBatch: Efficient Batching and Fair Scheduling for Deep Learning Inference on Time-sharing Devices. , 2020, , .		4
107	Accelerating on-device DNN inference during service outage through scheduling early exit. Computer Communications, 2020, 162, 69-82.	5.1	1
108	Q-Flink: A QoS-Aware Controller for Apache Flink. , 2020, , .		9

#	ARTICLE	IF	CITATIONS
109	Shadow-Chain: A Decentralized Storage System for Log Data. IEEE Network, 2020, 34, 68-74.	6.9	5
110	The Power of ARM64 in Public Clouds. , 2020, , .		8
111	Temporal Convolutional Networks for the Advance Prediction of ENSO. Scientific Reports, 2020, 10, 8055.	3.3	152
112	aeSpTV: An Adaptive and Efficient Framework for Sparse Tensor-Vector Product Kernel on a High-Performance Computing Platform. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2329-2345.	5.6	18
113	Automated Fine-Grained CPU Cap Control in Serverless Computing Platform. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2289-2301.	5.6	34
114	IoTsim-SDWAN: A simulation framework for interconnecting distributed datacenters over Software-Defined Wide Area Network (SD-WAN). Journal of Parallel and Distributed Computing, 2020, 143, 17-35.	4.1	13
115	Safeguard Network Slicing in 5G: A Learning Augmented Optimization Approach. IEEE Journal on Selected Areas in Communications, 2020, 38, 1600-1613.	14.0	36
116	Realising Edge Analytics for Early Prediction of Readmission: A Case Study. , 2020, , .		1
117	A Lightweight Short-Term Photovoltaic Power Prediction for Edge Computing. IEEE Transactions on Green Communications and Networking, 2020, 4, 946-955.	5.5	22
118	Gait-Watch: A Gait-based context-aware authentication system for smart watch via sparse coding. Ad Hoc Networks, 2020, 107, 102218.	5.5	19
119	Decomposition-Based Stability Analysis for Isolated Power Systems With Reduced Conservativeness. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1623-1632.	5.2	17
120	Edge-Computing-Enabled Unmanned Module Defect Detection and Diagnosis System for Large-Scale Photovoltaic Plants. IEEE Internet of Things Journal, 2020, 7, 9651-9663.	8.7	22
121	Decentralized Networked Load Frequency Control in Interconnected Power Systems Based on Stochastic Jump System Theory. IEEE Transactions on Smart Grid, 2020, 11, 4427-4439.	9.0	51
122	Scheduling Periodical Multi-Stage Jobs With Fuzziness to Elastic Cloud Resources. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2819-2833.	5.6	16
123	Fully Homomorphic based Privacy-Preserving Distributed Expectation Maximization on Cloud. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2668-2681.	5.6	7
124	A general purpose contention manager for software transactions on the GPU. Journal of Parallel and Distributed Computing, 2020, 139, 1-17.	4.1	3
125	SPAMI: A cognitive spam protector for advertisement malicious images. Information Sciences, 2020, 540, 17-37.	6.9	13
126	Sub-curve HMM: A malware detection approach based on partial analysis of API call sequences. Computers and Security, 2020, 92, 101773.	6.0	19

#	ARTICLE	IF	CITATIONS
127	Dynamical Resource Allocation in Edge for Trustable Internet-of-Things Systems: A Reinforcement Learning Method. IEEE Transactions on Industrial Informatics, 2020, 16, 6103-6113.	11.3	116
128	Editorial for the special issue on big time series data. Computing (Vienna/New York), 2020, 102, 741-743.	4.8	2
129	CreativeBioMan: A Brain- and Body-Wearable, Computing-Based, Creative Gaming System. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 14-22.	1.4	17
130	An Unmanned Inspection System for Multiple Defects Detection in Photovoltaic Plants. IEEE Journal of Photovoltaics, 2020, 10, 568-576.	2.5	56
131	Prune and Plant: Efficient Placement and Parallelism of Virtual Network Functions. IEEE Transactions on Computers, 2020, 69, 800-811.	3.4	14
132	Buoy Sensor Cyberattack Detection in Offshore Petroleum Cyber-Physical Systems. IEEE Transactions on Services Computing, 2020, 13, 653-662.	4.6	5
133	Utilization-prediction-aware virtual machine consolidation approach for energy-efficient cloud data centers. Journal of Parallel and Distributed Computing, 2020, 139, 99-109.	4.1	83
134	Interpretable Machine Learning In Sustainable Edge Computing: A Case Study of Short-Term Photovoltaic Power Output Prediction. , 2020, , .		10
135	UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. IEEE Transactions on Vehicular Technology, 2020, 69, 6731-6738.	6.3	19
136	Reinforcement learning in sustainable energy and electric systems: a survey. Annual Reviews in Control, 2020, 49, 145-163.	7.9	135
137	Edge Intelligence: The Confluence of Edge Computing and Artificial Intelligence. IEEE Internet of Things Journal, 2020, 7, 7457-7469.	8.7	480
138	Energy-Efficient Workflow Scheduling Using Container-Based Virtualization in Software-Defined Data Centers. IEEE Transactions on Industrial Informatics, 2020, 16, 7646-7657.	11.3	13
139	Accelerating fingerprint identification using FPGA for large-scale applications. Journal of Parallel and Distributed Computing, 2020, 141, 35-48.	4.1	5
140	Prediction of Sepsis in COVID-19 Using Laboratory Indicators. Frontiers in Cellular and Infection Microbiology, 2020, 10, 586054.	3.9	7
141	Gait Recognition as a Service for Unobtrusive User Identification in Smart Spaces. ACM Transactions on Internet of Things, 2020, 1, 1-21.	4.6	10
142	IoTWC: Analytic Hierarchy Process Based Internet of Things Workflow Composition System. , 2020, , .		2
143	A Time-space Efficient Algorithm for Parallel k -way In-place Merging based on Sequence Partitioning and Perfect Shuffle. ACM Transactions on Parallel Computing, 2020, 7, 1-23.	1.4	3
144	HCW 2020 Keynote Speaker Edge Intelligence Empowering IoT Data Analytics. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
145	Federated Learning with Proximal Stochastic Variance Reduced Gradient Algorithms. , 2020, , .		8
146	An Adaptive Multi-objective Salp Swarm Algorithm for Efficient Demand Side Management. , 2020, , .		2
147	An Efficiency-boosting Client Selection Scheme for Federated Learning with Fairness Guarantee. IEEE Transactions on Parallel and Distributed Systems, 2020, , 1-1.	5.6	83
148	The Limit of Horizontal Scaling in Public Clouds. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2020, 5, 1-22.	0.9	5
149	In Memoriam Eliezer Dekel (1948-2020). ACM Computing Surveys, 2020, 53, 1-2.	23.0	4
150	<i>LoRadar</i>. Computer Communication Review, 2020, 50, 10-24.	1.8	10
151	Multi-directional CPU resource control in edge computing. , 2020, , .		0
152	Lightweight Short-term Photovoltaic Power Prediction for Mobile Edge Computing. , 2020, , .		0
153	Spark-Tuner: An Elastic Auto-Tuner for Apache Spark Streaming. , 2020, , .		0
154	Adversarial Attacks in a Deep Reinforcement Learning based Cluster Scheduler. , 2020, , .		0
155	A Dynamic Resource Controller for Resolving Quality of Service Issues in Modern Streaming Processing Engines. , 2020, , .		2
156	Energy trading with dynamic pricing for electric vehicles in a smart city environment. Journal of Parallel and Distributed Computing, 2019, 127, 169-183.	4.1	49
157	AdaSampling for Positive-Unlabeled and Label Noise Learning With Bioinformatics Applications. IEEE Transactions on Cybernetics, 2019, 49, 1932-1943.	9.5	37
158	A Temporal-Information-Based Adaptive Routing Algorithm for Software Defined Vehicular Networks. , 2019, , .		13
159	Scalable Video Transcoding in Public Clouds. , 2019, , .		4
160	A Hybrid Deep Learning-Based Model for Anomaly Detection in Cloud Datacenter Networks. IEEE Transactions on Network and Service Management, 2019, 16, 924-935.	4.9	187
161	Brush like a Dentist: Accurate Monitoring of Toothbrushing via Wrist-Worn Gesture Sensing. , 2019, , .		16
162	Blockchain for smart communities: Applications, challenges and opportunities. Journal of Network and Computer Applications, 2019, 144, 13-48.	9.1	249

#	ARTICLE	IF	CITATIONS
163	SmartDBO: Smart Docker Benchmarking Orchestrator for Web-application. , 2019, , .		3
164	P_Segnet and NP_Segnet: New Neural Network Architectures for Cloud Recognition of Remote Sensing Images. IEEE Access, 2019, 7, 87323-87333.	4.2	23
165	Mobility-Aware Service Selection in Mobile Edge Computing Systems. , 2019, , .		19
166	DAGBENCH: A Performance Evaluation Framework for DAG Distributed Ledgers. , 2019, , .		28
167	Online Live VM Migration Algorithms to Minimize Total Migration Time and Downtime. , 2019, , .		8
168	A Sustainable and User-Behavior-Aware Cyber-Physical System for Home Energy Management. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-24.	2.5	12
169	A Network-aware and Partition-based Resource Management Scheme for Data Stream Processing. , 2019, , .		2
170	GoSharing: An intelligent incentive framework based on users' association for cooperative content sharing in mobile edge networks. Future Generation Computer Systems, 2019, 95, 601-614.	7.5	1
171	Federated Learning over Wireless Networks: Optimization Model Design and Analysis. , 2019, , .		565
172	Efficient Data Placement and Replication for QoS-Aware Approximate Query Evaluation of Big Data Analytics. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2677-2691.	5.6	17
173	Energy Efficiency Evaluation of Distributed Systems. Lecture Notes in Computer Science, 2019, , 756-763.	1.3	0
174	Ubiquitous Localization (UbiLoc): A Survey and Taxonomy on Device Free Localization for Smart World. IEEE Communications Surveys and Tutorials, 2019, 21, 3532-3564.	39.4	74
175	A Novel Hierarchical Two-Tier Node-Deployment Strategy for Sustainable Wireless Sensor Networks. Computer, 2019, 52, 4-5.	1.1	0
176	Nothing Blocks Me: Precise and Real-Time LOS/NLOS Path Recognition in RFID Systems. IEEE Internet of Things Journal, 2019, 6, 5814-5824.	8.7	19
177	Reduction of Artefacts in JPEG-XR Compressed Images. Sensors, 2019, 19, 1214.	3.8	5
178	An Efficient Indexing Approach for Continuous Spatial Approximate Keyword Queries over Geo-Textual Streaming Data. ISPRS International Journal of Geo-Information, 2019, 8, 57.	2.9	10
179	Fairness-Aware Dynamic Rate Control and Flow Scheduling for Network Utility Maximization in Network Service Chain. IEEE Journal on Selected Areas in Communications, 2019, 37, 1059-1071.	14.0	42
180	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. IEEE Transactions on Green Communications and Networking, 2019, 3, 806-816.	5.5	57

#	ARTICLE	IF	CITATIONS
181	Efficient threshold password-authenticated secret sharing protocols for cloud computing. Journal of Parallel and Distributed Computing, 2019, 128, 57-70.	4.1	5
182	Dynamic Control of CPU Cap Allocations in Stream Processing and Data-Flow Platforms. , 2019, , .		0
183	Real-Time Stream Data Processing at Scale. , 2019, , .		0
184	Disk Throughput Controller for Cloud Data-Centers. , 2019, , .		3
185	Using a GPU to Accelerate a Longwave Radiative Transfer Model with Efficient CUDA-Based Methods. Applied Sciences (Switzerland), 2019, 9, 4039.	2.5	8
186	DeFusionNET: Defocus Blur Detection via Recurrently Fusing and Refining Multi-Scale Deep Features. , 2019, , .		45
187	Keynote 2: Resource Management in Edge Computing: Opportunities and Open Issues. , 2019, , .		1
188	Towards a Data-Driven Symbiosis of Agriculture and Photovoltaics. , 2019, , .		3
189	Deep Reinforcement Learning Based VNF Management in Geo-distributed Edge Computing. , 2019, , .		21
190	MARA: Mobility-Aware Rate Adaptation for Low Power IoT Networks Using Game Theory. , 2019, , .		1
191	A Manifesto for Future Generation Cloud Computing. ACM Computing Surveys, 2019, 51, 1-38.	23.0	198
192	Robust H_{∞} Control of Doubly Fed Wind Generator via State-Dependent Riccati Equation Technique. IEEE Transactions on Power Systems, 2019, 34, 2390-2400.	6.5	58
193	Secure authentication and load balancing of distributed edge datacenters. Journal of Parallel and Distributed Computing, 2019, 124, 60-69.	4.1	60
194	TBRS: A trust based recommendation scheme for vehicular CPS network. Future Generation Computer Systems, 2019, 92, 383-398.	7.5	50
195	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid. IEEE Transactions on Big Data, 2019, 5, 34-45.	6.1	129
196	Zeus: A resource allocation algorithm for the cloud of sensors. Future Generation Computer Systems, 2019, 92, 564-581.	7.5	22
197	Privacy-preserving anomaly detection in the cloud for quality assured decision-making in smart cities. Journal of Parallel and Distributed Computing, 2019, 127, 209-223.	4.1	16
198	A distributed incremental information acquisition model for large-scale text data. Cluster Computing, 2019, 22, 2383-2394.	5.0	5

#	ARTICLE	IF	CITATIONS
199	Stackelberg Game for Energy-Aware Resource Allocation to Sustain Data Centers Using RES. IEEE Transactions on Cloud Computing, 2019, 7, 1109-1123.	4.4	40
200	Resource Allocation and Task Scheduling in the Cloud of Sensors. Studies in Systems, Decision and Control, 2019, , 265-305.	1.0	3
201	SEE. , 2019, , .		13
202	Building an Online Defect Detection System for Large-scale Photovoltaic Plants. , 2019, , .		4
203	Collective Energy-Efficiency Approach to Data Center Networks Planning. IEEE Transactions on Cloud Computing, 2018, 6, 656-666.	4.4	15
204	DROPS: Division and Replication of Data in Cloud for Optimal Performance and Security. IEEE Transactions on Cloud Computing, 2018, 6, 303-315.	4.4	44
205	A New Spectrum Management Scheme for Road Safety in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3496-3506.	8.0	25
206	Dynamic resource allocation for an energy efficient VM architecture for cloud computing. , 2018, , .		13
207	Tensor-Based Big Data Management Scheme for Dimensionality Reduction Problem in Smart Grid Systems: SDN Perspective. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1985-1998.	5.7	78
208	On the performance of greedy forwarding on Yao and Theta graphs. Journal of Parallel and Distributed Computing, 2018, 117, 87-97.	4.1	3
209	Energy-efficient VM-placement in cloud data center. Sustainable Computing: Informatics and Systems, 2018, 20, 48-55.	2.2	50
210	Building a Sustainable Internet of Things: Energy-Efficient Routing Using Low-Power Sensors Will Meet the Need. IEEE Consumer Electronics Magazine, 2018, 7, 42-49.	2.3	52
211	G-ML-Octree: An Update-Efficient Index Structure for Simulating 3D Moving Objects Across GPUs. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1075-1088.	5.6	3
212	Location of Things (LoT): A Review and Taxonomy of Sensors Localization in IoT Infrastructure. IEEE Communications Surveys and Tutorials, 2018, 20, 2028-2061.	39.4	153
213	DCDedupe: Selective Deduplication and Delta Compression with Effective Routing for Distributed Storage. Journal of Grid Computing, 2018, 16, 195-209.	3.9	7
214	Auditing Big Data Storage in Cloud Computing Using Divide and Conquer Tables. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 999-1012.	5.6	57
215	Computing Hierarchical Summary from Two-Dimensional Big Data Streams. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 803-818.	5.6	6
216	Resilient virtual communication networks using multi-commodity flow based local optimal mapping. Journal of Network and Computer Applications, 2018, 110, 43-51.	9.1	7

#	ARTICLE	IF	CITATIONS
217	NHAD: Neuro-Fuzzy Based Horizontal Anomaly Detection In Online Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2018, , 1-1.	5.7	13
218	On the Communication Variability Analysis of the NeCTAR Research Cloud System. IEEE Systems Journal, 2018, 12, 1506-1517.	4.6	2
219	GA-ETI: An enhanced genetic algorithm for the scheduling of scientific workflows in cloud environments. Journal of Computational Science, 2018, 26, 318-331.	2.9	71
220	On the Correlation of Sensor Location and Human Activity Recognition in Body Area Networks (BANs). IEEE Systems Journal, 2018, 12, 82-91.	4.6	32
221	pipsCloud: High performance cloud computing for remote sensing big data management and processing. Future Generation Computer Systems, 2018, 78, 353-368.	7.5	140
222	Detecting users' anomalous emotion using social media for business intelligence. Journal of Computational Science, 2018, 25, 193-200.	2.9	35
223	A dynamic tradeoff data processing framework for delay-sensitive applications in Cloud of Things systems. Journal of Parallel and Distributed Computing, 2018, 112, 53-66.	4.1	54
224	Adaptive Resource Allocation and Provisioning in Multi-Service Cloud Environments. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 31-42.	5.6	53
225	D ³ : A Dynamic Dual-Phase Deduplication Framework for Distributed Primary Storage. IEEE Transactions on Computers, 2018, 67, 193-207.	3.4	3
226	Cybermatics: Advanced Strategy and Technology for Cyber-Enabled Systems and Applications. Future Generation Computer Systems, 2018, 79, 350-353.	7.5	9
227	Parallel optimization using/for multi and many-core high performance computing. Journal of Parallel and Distributed Computing, 2018, 112, 109-110.	4.1	1
228	Cost efficient scheduling of MapReduce applications on public clouds. Journal of Computational Science, 2018, 26, 375-388.	2.9	16
229	Optimal Decision Making for Big Data Processing at Edge-Cloud Environment: An SDN Perspective. IEEE Transactions on Industrial Informatics, 2018, 14, 778-789.	11.3	107
230	An Indexing Approach for Efficient Supporting of Continuous Spatial Approximate Keyword Queries. , 2018, , .		1
231	Server Consolidation in Cloud Computing. , 2018, , .		3
232	3D-DAG: A High Performance DAG Network with Eventual Consistency and Finality. , 2018, , .		4
233	From Insight to Impact: Building a Sustainable Edge Computing Platform for Smart Homes. , 2018, , .		11
234	Enabling Edge Intelligence for Activity Recognition in Smart Homes. , 2018, , .		17

#	ARTICLE	IF	CITATIONS
235	SLOPE: A Self Learning Optimization and Prediction Ensembler for Task Scheduling. , 2018, , .		1
236	A Cache Enhanced Endorser Design for Mitigating Performance Degradation in Hyperledger Fabric. , 2018, , .		4
237	Message from the HPSC 2018 Program Chairs. , 2018, , .		0
238	Message from the IDS 2018 Program Chairs. , 2018, , .		0
239	A System Architecture for Cloud of Sensors. , 2018, , .		0
240	Janus: A Generic QoS Framework for Software-as-a-Service Applications. , 2018, , .		1
241	A Game of Incentives. , 2018, , .		8
242	sFog. , 2018, , .		11
243	Modeling System-Level Power Consumption Profiles Using RAPL. , 2018, , .		4
244	A Communication-Aware Energy-Efficient Graph-Coloring Algorithm for VM Placement in Clouds. , 2018, , .		4
245	DTFA: A Dynamic Threshold-Based Fuzzy Approach for Power-Efficient VM Consolidation. , 2018, , .		8
246	Dynamic Control of CPU Usage in a Lambda Platform. , 2018, , .		10
247	Enabling Wireless Communications and Networking Technologies of Edge Computing. IEEE Communications Magazine, 2018, 56, 94-95.	6.1	0
248	Energy-Efficient Deployment of Edge Dataenters for Mobile Clouds in Sustainable IoT. IEEE Access, 2018, 6, 56587-56597.	4.2	32
249	Composition-Driven IoT Service Provisioning in Distributed Edges. IEEE Access, 2018, 6, 54258-54269.	4.2	72
250	Editorial for Special Issue of Journal of Big Data Research on "Big Medical/Healthcare Data Analytics" Big Data Research, 2018, 13, 1-2.	4.2	3
251	Request Dispatching for Minimizing Service Response Time in Edge Cloud Systems. , 2018, , .		14
252	Efficient Cloud Provisioning for Video Transcoding: Review, Open Challenges and Future Opportunities. IEEE Internet Computing, 2018, 22, 46-55.	3.3	12

#	ARTICLE	IF	CITATIONS
253	Edge-based Energy Management for Smart Homes. , 2018, , .		18
254	Forecasting yield by integrating agrarian factors and machine learning models: A survey. Computers and Electronics in Agriculture, 2018, 155, 257-282.	7.7	177
255	Network Function Virtualization in Dynamic Networks: A Stochastic Perspective. IEEE Journal on Selected Areas in Communications, 2018, 36, 2218-2232.	14.0	71
256	Ins and Outs. , 2018, , .		2
257	Service Selection for Composition in Mobile Edge Computing Systems. , 2018, , .		32
258	SODAR: Nonobtrusive Off-Line Social Structure Reconstruction Through Passive Wireless Sensing. IEEE Transactions on Computational Social Systems, 2018, 5, 871-883.	4.4	0
259	Bayesian tensor factorization for multi-way analysis of multi-dimensional EEG. Neurocomputing, 2018, 318, 162-174.	5.9	40
260	Secure and Sustainable Load Balancing of Edge Data Centers in Fog Computing. , 2018, 56, 60-65.		188
261	A Model Predictive Controller for Managing QoS Enforcements and Microarchitecture-Level Interferences in a Lambda Platform. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1442-1455.	5.6	14
262	On Enabling Sustainable Edge Computing with Renewable Energy Resources. , 2018, 56, 94-101.		87
263	Energy and communication aware task mapping for MPSoCs. Journal of Parallel and Distributed Computing, 2018, 121, 71-89.	4.1	12
264	Performance Analysis of Dense Small Cell Networks With Dynamic TDD. IEEE Transactions on Vehicular Technology, 2018, 67, 9816-9830.	6.3	20
265	An Input-to-State Stability-Based Load Restoration Approach for Isolated Power Systems. Energies, 2018, 11, 597.	3.1	6
266	Decentralized Admission Control for High-Throughput Key-Value Data Stores. , 2018, , .		1
267	Data Stream Processing at Network Edges. , 2018, , .		3
268	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	3.9	74
269	Elastic CPU Cap Mechanism for Timely Dataflow Applications. Lecture Notes in Computer Science, 2018, , 554-568.	1.3	1
270	Applications of Distributed and High Performance Computing to Enhance Online Education. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 586-600.	0.7	0

#	ARTICLE	IF	CITATIONS
271	Message from the Program Chairs of EdgeCom 2018. , 2018, , .		0
272	Cloud Log Forensics. ACM Computing Surveys, 2017, 49, 1-42.	23.0	59
273	A Survey of Mobile Device Virtualization. ACM Computing Surveys, 2017, 49, 1-36.	23.0	45
274	Performance and Energy Efficiency Metrics for Communication Systems of Cloud Computing Data Centers. IEEE Transactions on Cloud Computing, 2017, 5, 738-750.	4.4	71
275	Cloud-Based Utility Service Framework for Trust Negotiations Using Federated Identity Management. IEEE Transactions on Cloud Computing, 2017, 5, 290-302.	4.4	16
276	Game-Theoretic Market-Driven Smart Home Scheduling Considering Energy Balancing. IEEE Systems Journal, 2017, 11, 910-921.	4.6	33
277	SeDaSC: Secure Data Sharing in Clouds. IEEE Systems Journal, 2017, 11, 395-404.	4.6	141
278	MobiContext: A Context-Aware Cloud-Based Venue Recommendation Framework. IEEE Transactions on Cloud Computing, 2017, 5, 712-724.	4.4	7
279	A balanced scheduler with data reuse and replication for scientific workflows in cloud computing systems. Future Generation Computer Systems, 2017, 74, 168-178.	7.5	67
280	Mobility-Aware Service Composition in Mobile Communities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 555-568.	9.3	107
281	Modeling and Analysis of the Thermal Properties Exhibited by Cyberphysical Data Centers. IEEE Systems Journal, 2017, 11, 163-172.	4.6	28
282	MacroServ: A Route Recommendation Service for Large-Scale Evacuations. IEEE Transactions on Services Computing, 2017, 10, 589-602.	4.6	31
283	System modelling and performance evaluation of a three-tier Cloud of Things. Future Generation Computer Systems, 2017, 70, 104-125.	7.5	108
284	LaCoDa: Layered connected topology for massive data centers. Journal of Network and Computer Applications, 2017, 83, 169-180.	9.1	7
285	GROWN. , 2017, , .		2
286	HPC-Based Intelligent Volt/VAr Control of Unbalanced Distribution Smart Grid in the Presence of Noise. IEEE Transactions on Smart Grid, 2017, 8, 1446-1459.	9.0	19
287	ASSER: An Efficient, Reliable, and Cost-Effective Storage Scheme for Object-Based Cloud Storage Systems. IEEE Transactions on Computers, 2017, 66, 1326-1340.	3.4	14
288	PSO-DS: a scheduling engine for scientific workflow managers. Journal of Supercomputing, 2017, 73, 3924-3947.	3.6	16

#	ARTICLE	IF	CITATIONS
289	Throughput of Infrastructure-Based Cooperative Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2964-2979.	8.0	56
290	A scalable parallel algorithm for atmospheric general circulation models on a multi-core cluster. Future Generation Computer Systems, 2017, 72, 1-10.	7.5	25
291	PTNet: An efficient and green data center network. Journal of Parallel and Distributed Computing, 2017, 107, 3-18.	4.1	13
292	A Technique for Efficient Query Estimation over Distributed Data Streams. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2770-2783.	5.6	10
293	RAMSES: A new reference architecture for self-adaptive middleware in Wireless Sensor Networks. Ad Hoc Networks, 2017, 55, 3-27.	5.5	9
294	Geographic spatiotemporal big data correlation analysis via the Hilbert-Huang transformation. Journal of Computer and System Sciences, 2017, 89, 130-141.	1.2	15
295	Uplink Performance Analysis of Dense Cellular Networks With LoS and NLoS Transmissions. IEEE Transactions on Wireless Communications, 2017, 16, 2601-2613.	9.2	39
296	Damage prediction for wind turbines using wireless sensor and actuator networks. Journal of Network and Computer Applications, 2017, 80, 123-140.	9.1	33
297	Stochastic Resource Provisioning for Containerized Multi-Tier Web Services in Clouds. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2060-2073.	5.6	39
298	Spatiotemporal Fusion of MODIS and Landsat-7 Reflectance Images via Compressed Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 7126-7139.	6.3	44
299	MSGR: A Mode-Switched Grid-Based Sustainable Routing Protocol for Wireless Sensor Networks. IEEE Access, 2017, 5, 19864-19875.	4.2	32
300	Message from the Program Chairs of IDS 2017. , 2017, , .		0
301	Greening emerging IT technologies: techniques and practices. Journal of Internet Services and Applications, 2017, 8, .	2.1	45
302	Provisioning and Management of Internet of Things Applications. , 2017, , .		0
303	Follow Me Fog: Toward Seamless Handover Timing Schemes in a Fog Computing Environment. , 2017, 55, 72-78.		78
304	Editorial: special issue on "big data security and privacy". Digital Communications and Networks, 2017, 3, 211-212.	5.0	2
305	QoS- and Contention- Aware Resource Provisioning in a Stream Processing Engine. , 2017, , .		8
306	A QoS-Aware Resource Allocation Controller for Function as a Service (FaaS) Platform. Lecture Notes in Computer Science, 2017, , 241-255.	1.3	14

#	ARTICLE	IF	CITATIONS
307	Revenue-Driven Service Provisioning for Resource Sharing in Mobile Cloud Computing. Lecture Notes in Computer Science, 2017, , 625-640.	1.3	13
308	A Continuous Change Detection Mechanism to Identify Anomalies in ECG Signals for WBAN-Based Healthcare Environments. IEEE Access, 2017, 5, 13531-13544.	4.2	39
309	An energy-efficient virtual machine placement and route scheduling scheme in data center networks. Future Generation Computer Systems, 2017, 77, 1-11.	7.5	11
310	vmBBProfiler: a black-box profiling approach to quantify sensitivity of virtual machines to shared cloud resources. Computing (Vienna/New York), 2017, 99, 1149-1177.	4.8	8
311	Application-Agnostic Power Monitoring in Virtualized Environments. , 2017, , .		6
312	CtrlCloud: Performance-Aware Adaptive Control for Shared Resources in Clouds. , 2017, , .		4
313	An Energy-Efficient Storage Strategy for Cloud Datacenters Based on Variable K-Coverage of a Hypergraph. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 3344-3355.	5.6	8
314	Associative retrieval in spatial big data based on spreading activation with semantic ontology. Future Generation Computer Systems, 2017, 76, 499-509.	7.5	8
315	Traffic-Aware Geo-Distributed Big Data Analytics with Predictable Job Completion Time. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1785-1796.	5.6	57
316	Dimensionality Reduction for Intrusion Detection Systems in Multi-data Streamsâ€”A Review and Proposal of Unsupervised Feature Selection Scheme. Emergence, Complexity and Computation, 2017, , 467-487.	0.3	14
317	Distributed Segment-Based Anomaly Detection With Kullbackâ€”Leibler Divergence in Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2017, 12, 101-110.	6.9	52
318	Rendezvous based routing protocol for wireless sensor networks with mobile sink. Journal of Supercomputing, 2017, 73, 1168-1188.	3.6	65
319	H-PARAFAC: Hierarchical Parallel Factor Analysis of Multidimensional Big Data. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1091-1104.	5.6	49
320	An efficient online direction-preserving compression approach for trajectory streaming data. Future Generation Computer Systems, 2017, 68, 150-162.	7.5	25
321	Distribution Based Workload Modelling of Continuous Queries in Clouds. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 120-133.	4.6	36
322	Privacy-Aware Scheduling SaaS in High Performance Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1176-1188.	5.6	27
323	adCFS: Adaptive completely fair scheduling policy for containerised workflows systems. , 2017, , .		1
324	Cost-Effective Processing in Fog-Integrated Internet of Things Ecosystems. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
325	Adaptive Energy-Aware Computation Offloading for Cloud of Things Systems. IEEE Access, 2017, 5, 23947-23957.	4.2	83
326	A Dynamic Resource Controller for a Lambda Architecture. , 2017, , .		11
327	A resource allocation controller for key-value data stores. , 2017, , .		1
328	LIFE: A predictive approach for VM placement in cloud environments. , 2017, , .		7
329	Real-Time Virtual Network Function (VNF) Migration toward Low Network Latency in Cloud Environments. , 2017, , .		28
330	AWEDF: An Architecture-Aware Execution and Debugging Workflow for a Highly Reliable Chip. , 2017, , .		1
331	A Dimension Reduction Model and Classifier for Anomaly-Based Intrusion Detection in Internet of Things. , 2017, , .		45
332	Virtual Network Function Placement: Towards Minimizing Network Latency and Lead Time. , 2017, , .		12
333	HPCC/SmartCity/DSS 2017 Message from the General Chairs. , 2017, , .		0
334	Model-Based Scheduling for Stream Processing Systems. , 2017, , .		2
335	Message from the Program Chairs of SSC 2017. , 2017, , .		0
336	Offshore oil spill monitoring and detection: Improving risk management for offshore petroleum cyber-physical systems: (Invited paper). , 2017, , .		8
337	The Effect of Resource Allocation and System Events on VM Consolidation. , 2017, , .		0
338	Message from the CPSCom-2017 General Chairs. , 2017, , .		0
339	Energy-efficient tailoring of VM size and tasks in cloud data centers. , 2017, , .		2
340	QoS-aware resource allocation for stream processing engines using priority channels. , 2017, , .		3
341	Welcome Message from the ISPA 2017 General Chairs. , 2017, , .		0
342	Serverless Execution of Scientific Workflows. Lecture Notes in Computer Science, 2017, , 706-721.	1.3	22

#	ARTICLE	IF	CITATIONS
343	A survey and taxonomy on energy efficient resource allocation techniques for cloud computing systems. <i>Computing (Vienna/New York)</i> , 2016, 98, 751-774.	4.8	253
344	Advances in Methods and Techniques for Processing Streaming Big Data in Datacentre Clouds. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2016, 4, 262-265.	4.6	13
345	Security and Dependability of Cloud-Assisted Internet of Things. <i>IEEE Cloud Computing</i> , 2016, 3, 24-26.	3.9	1
346	Guest Editorial Leveraging Design Automation Techniques for Cyber-Physical System Design. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2016, 35, 697-698.	2.7	1
347	Home Fog Server: Taking Back Control from the Cloud. , 2016, , .		2
348	Joint Rate and Queue Based Routing for Vehicular Ad-Hoc Networks. , 2016, , .		2
349	Managing Performance Degradation of Collocated Virtual Machines in Private Cloud. , 2016, , .		1
350	SLA-Aware Resource Scaling for Energy Efficiency. , 2016, , .		2
351	Cost-effective processing for Delay-sensitive applications in Cloud of Things systems. , 2016, , .		27
352	A QoS-aware controller for Apache Storm. , 2016, , .		15
353	A Model Predictive Controller for Contention-Aware Resource Allocation in Virtualized Data Centers. , 2016, , .		1
354	RBT-MF: A Distributed Rubber Band Technique for Maximum Flow Problem in Azure. , 2016, , .		0
355	Editorial for IEEE Access Special Section on Theoretical Foundations for Big Data Applications: Challenges and Opportunities. <i>IEEE Access</i> , 2016, 4, 5730-5732.	4.2	9
356	Price Elasticity in the Enterprise Computing Resource Market. <i>IEEE Cloud Computing</i> , 2016, 3, 24-31.	3.9	4
357	ID2S Password-Authenticated Key Exchange Protocols. <i>IEEE Transactions on Computers</i> , 2016, , 1-1.	3.4	12
358	vmBBThrPred: A Black-Box Throughput Predictor for Virtual Machines in Cloud Environments. <i>Lecture Notes in Computer Science</i> , 2016, , 18-33.	1.3	11
359	Design and Analysis of IoT Applications: A Model-Driven Approach. , 2016, , .		23
360	The Hierarchical Smart Home Cyberattack Detection Considering Power Overloading and Frequency Disturbance. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 1973-1983.	11.3	23

#	ARTICLE	IF	CITATIONS
361	Privacy-Knowledge Modeling for the Internet of Things: A Look Back. <i>Computer</i> , 2016, 49, 60-68.	1.1	14
362	On Improving Constrained Single and Group Operator Placement Using Evictions in Big Data Environments. <i>IEEE Transactions on Services Computing</i> , 2016, 9, 818-831.	4.6	7
363	Hybrid Cryptographic Access Control for Cloud-Based EHR Systems. <i>IEEE Cloud Computing</i> , 2016, 3, 58-64.	3.9	52
364	Toward Mobile Service Computing: Opportunities and Challenges. <i>IEEE Cloud Computing</i> , 2016, 3, 32-41.	3.9	43
365	Virtual Machine Level Temperature Profiling and Prediction in Cloud Datacenters. , 2016, , .		5
366	Segregating Spammers and Unsolicited Bloggers from Genuine Experts on Twitter. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2016, , 1-1.	5.4	19
367	Message from the IEEE TrustCom/BigDataSE/ISPA 2016 General Chairs. , 2016, , .		0
368	Message from HPCC2016 Chairs. , 2016, , .		0
369	Welcome Message from the BDCLOUD-SocialCom-SustainCom 2016 Conference and Program Chairs. , 2016, , .		0
370	Message from the CIT 2016 General Chairs. , 2016, , .		1
371	Message from the General Chairs of CSCLOUD/SSC 2016. , 2016, , .		0
372	Network coding-based content distribution in cellular access networks. , 2016, , .		0
373	Improving Storage Efficiency for Raw Image Photo Repository by Exploiting Similarity. , 2016, , .		0
374	Editorial preface special issue: Advances in computational intelligence with Internet of Things. <i>Neurocomputing</i> , 2016, 209, 1-2.	5.9	0
375	Genetic algorithm in finding Pareto frontier of optimizing data transfer versus job execution in grids. <i>Concurrency Computation Practice and Experience</i> , 2016, 28, 1715-1736.	2.2	4
376	CA-DAG: Modeling Communication-Aware Applications for Scheduling in Cloud Computing. <i>Journal of Grid Computing</i> , 2016, 14, 23-39.	3.9	67
377	A Decentralized Damage Detection System for Wireless Sensor and Actuator Networks. <i>IEEE Transactions on Computers</i> , 2016, 65, 1363-1376.	3.4	11
378	Constructing Performance-Predictable Clusters with Performance-Varying Resources of Clouds. <i>IEEE Transactions on Computers</i> , 2016, 65, 2709-2724.	3.4	12

#	ARTICLE	IF	CITATIONS
379	A Systematic Review of Shared Sensor Networks. ACM Computing Surveys, 2016, 48, 1-50.	23.0	43
380	An online greedy allocation of VMs with non-increasing reservations in clouds. Journal of Supercomputing, 2016, 72, 371-390.	3.6	4
381	CEVP: Cross Entropy based Virtual Machine Placement for Energy Optimization in Clouds. Journal of Supercomputing, 2016, 72, 3194-3209.	3.6	21
382	EvacSys: A Cloud-Based Service for Emergency Evacuation. IEEE Cloud Computing, 2016, 3, 60-68.	3.9	21
383	SERAPH: Service Allocation Algorithm for the Execution of Multiple Applications in Heterogeneous Shared Sensor and Actuator Networks. Internet of Things, 2016, , 93-113.	1.7	0
384	An Efficient Data-Driven Clustering Technique to Detect Attacks in SCADA Systems. IEEE Transactions on Information Forensics and Security, 2016, 11, 893-906.	6.9	82
385	A Framework of Price Bidding Configurations for Resource Usage in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2168-2181.	5.6	64
386	Cost Performance Driven Service Mashup: A Developer Perspective. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2234-2247.	5.6	27
387	Collaboration- and Fairness-Aware Big Data Management in Distributed Clouds. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1941-1953.	5.6	36
388	Cost Minimization for Rule Caching in Software Defined Networking. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1007-1016.	5.6	47
389	Performance analysis of data intensive cloud systems based on data management and replication: a survey. Distributed and Parallel Databases, 2016, 34, 179-215.	1.6	39
390	An Efficient Privacy-Preserving Ranked Keyword Search Method. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 951-963.	5.6	130
391	Performance Metrics for Data Center Communication Systems. , 2015, , .		3
392	Crowdware: A Framework for GPU-Based Public-Resource Computing with Energy-Aware Incentive Mechanism. , 2015, , .		1
393	RadixHap: a radix tree-based heuristic for solving the single individual haplotyping problem. International Journal of Bioinformatics Research and Applications, 2015, 11, 10.	0.2	0
394	A Framework for Implementing Asynchronous Replication Scheme in Utility-Based Computing Environment. , 2015, , .		3
395	Energy efficient genetic-based schedulers in computational grids. Concurrency Computation Practice and Experience, 2015, 27, 809-829.	2.2	51
396	Olympus: The Cloud of Sensors. IEEE Cloud Computing, 2015, 2, 48-56.	3.9	34

#	ARTICLE	IF	CITATIONS
397	Remote Data Auditing in Cloud Computing Environments. ACM Computing Surveys, 2015, 47, 1-34.	23.0	95
398	Big Data Privacy in the Internet of Things Era. IT Professional, 2015, 17, 32-39.	1.5	158
399	Executing Large Scale Scientific Workflow Ensembles in Public Clouds. , 2015, , .		21
400	A Memetic Algorithm for Dynamic Shortest Path Routing on Mobile Ad-hoc Networks. , 2015, , .		6
401	Guest Editorial on Advances in Tools and Techniques for Enabling Cyberâ€“Physicalâ€“Social Systemsâ€“Part II. IEEE Transactions on Computational Social Systems, 2015, 2, 124-126.	4.4	3
402	Message from the Program Chairs of BigDataSecurity 2015. , 2015, , .		0
403	RAMP: reliability-aware elastic instance provisioning for profit maximization. Journal of Supercomputing, 2015, 71, 4529-4554.	3.6	6
404	Inline Data Deduplication for SSD-Based Distributed Storage. , 2015, , .		1
405	Guest Editorial on Advances in Tools and Techniques for Enabling Cyberâ€“Physicalâ€“Social Systemsâ€“Part I. IEEE Transactions on Computational Social Systems, 2015, 2, 38-40.	4.4	6
406	Associative Big Data Sharing in Community Clouds: The MeePo Approach. IEEE Cloud Computing, 2015, 2, 64-73.	3.9	4
407	Particle Swarm Optimization based dictionary learning for remote sensing big data. Knowledge-Based Systems, 2015, 79, 43-50.	7.1	79
408	Cooperative Web Caching Using Dynamic Interest-Tagged Filtered Bloom Filters. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2956-2969.	5.6	12
409	Adaptive multiple-workflow scheduling with task rearrangement. Journal of Supercomputing, 2015, 71, 1297-1317.	3.6	36
410	An integrated task computation and data management scheduling strategy for workflow applications in cloud environments. Journal of Network and Computer Applications, 2015, 50, 39-48.	9.1	41
411	Computation Offloading for Service Workflow in Mobile Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3317-3329.	5.6	228
412	Resource-efficient workflow scheduling in clouds. Knowledge-Based Systems, 2015, 80, 153-162.	7.1	71
413	Energy-efficient data replication in cloud computing datacenters. Cluster Computing, 2015, 18, 385-402.	5.0	184
414	QoS-Aware Inter-Domain Multicast for Scalable Wireless Community Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3136-3148.	5.6	35

#	ARTICLE	IF	CITATIONS
415	Cloud Computing for VLSI Floorplanning Considering Peak Temperature Reduction. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 534-543.	4.6	6
416	Farewell State of the Journal Editorial. IEEE Transactions on Computers, 2015, 64, 1-1.	3.4	11
417	Recent advances in autonomic provisioning of big data applications on clouds. IEEE Transactions on Cloud Computing, 2015, 3, 101-104.	4.4	19
418	A survey on text mining in social networks. Knowledge Engineering Review, 2015, 30, 157-170.	2.6	84
419	NIDISC Introduction and Committees. , 2015, , .		0
420	A Dynamic Programming Algorithm for Leveraging Probabilistic Detection of Energy Theft in Smart Home. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 502-513.	4.6	52
421	Cross-Layer Cloud Resource Configuration Selection in the Big Data Era. IEEE Cloud Computing, 2015, 2, 16-22.	3.9	17
422	Guest Editorial Special Issue on Big Data Analytics and Management in Internet of Things. IEEE Internet of Things Journal, 2015, 2, 265-267.	8.7	7
423	Economical and Balanced Energy Usage in the Smart Home Infrastructure: A Tutorial and New Results. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 556-570.	4.6	59
424	Network-assisted offloading for mobile cloud applications. , 2015, , .		18
425	Models for efficient data replication in cloud computing datacenters. , 2015, , .		12
426	Parallel Simulation of Complex Evacuation Scenarios with Adaptive Agent Models. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 847-857.	5.6	43
427	Remote sensing big data computing: Challenges and opportunities. Future Generation Computer Systems, 2015, 51, 47-60.	7.5	444
428	CloudFlow: A data-aware programming model for cloud workflow applications on modern HPC systems. Future Generation Computer Systems, 2015, 51, 98-110.	7.5	13
429	Profiling-Based Workload Consolidation and Migration in Virtualized Data Centers. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 878-890.	5.6	69
430	Enhancing Availability in Content Delivery Networks for Mobile Platforms. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2247-2257.	5.6	14
431	A Parallel File System with Application-Aware Data Layout Policies for Massive Remote Sensing Image Processing in Digital Earth. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1497-1508.	5.6	59
432	Parallel Processing of Dynamic Continuous Queries over Streaming Data Flows. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 834-846.	5.6	33

#	ARTICLE	IF	CITATIONS
433	Cloud Storage over Multiple Data Centers. , 2015, , 691-725.		2
434	On Cloud Spot Market: An Overview of the Research. Lecture Notes in Computer Science, 2015, , 46-61.	1.3	2
435	The Pagerank-Index: Going beyond Citation Counts in Quantifying Scientific Impact of Researchers. PLoS ONE, 2015, 10, e0134794.	2.5	60
436	Optimizing Scientific Workflows in the Cloud: A Montage Example. , 2014, , .		13
437	Variation-Aware Layer Assignment With Hierarchical Stochastic Optimization on a Multicore Platform. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 488-500.	4.6	1
438	Evolutionary Scheduling of Dynamic Multitasking Workloads for Big-Data Analytics in Elastic Cloud. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 338-351.	4.6	44
439	Energy-Efficient Data Center Networks Planning with Virtual Machine Placement and Traffic Configuration. , 2014, , .		21
440	Ranking scientists from the field of quantum game theory using p-index. , 2014, , .		1
441	Estimating the Statistical Characteristics of Remote Sensing Big Data in the Wavelet Transform Domain. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 324-337.	4.6	23
442	A Web Platform for Interconnecting Body Sensors and Improving Health Care. Procedia Computer Science, 2014, 40, 135-142.	2.0	61
443	Online Multiple Workflow Scheduling under Privacy and Deadline in Hybrid Cloud Environment. , 2014, , .		14
444	Running Data-Intensive Scientific Workflows in the Cloud. , 2014, , .		0
445	Guest Editors' Introduction: Cloud-Based Smart Evacuation Systems for Emergency Management. IEEE Cloud Computing, 2014, 1, 26-29.	3.9	0
446	Message from the BusinessClouds 2014 Workshop Chairs. , 2014, , .		0
447	NC-CELL: Network coding-based content distribution in cellular networks for cloud applications. , 2014, , .		4
448	Characterization of essential proteins based on network topology in proteins interaction networks. , 2014, , .		2
449	Fuzzy modeling to predict performance of collocated virtual machines in private clouds. , 2014, , .		2
450	How well do Yao graph and theta graph support Greedy forwarding?. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
451	Local Resource Shaper for MapReduce. , 2014, , .		5
452	A Framework for the Local Information Dynamics of Distributed Computation in Complex Systems. Emergence, Complexity and Computation, 2014, , 115-158.	0.3	32
453	Security, energy, and performance-aware resource allocation mechanisms for computational grids. Future Generation Computer Systems, 2014, 31, 77-92.	7.5	52
454	Energy-efficient task allocation with quality of service provisioning for concurrent applications in multi-functional wireless sensor network systems. Concurrency Computation Practice and Experience, 2014, 26, 1869-1888.	2.2	8
455	A localized algorithm for Structural Health Monitoring using wireless sensor networks. Information Fusion, 2014, 15, 114-129.	19.1	37
456	A control and decision system for smart buildings using wireless sensor and actuator networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 120-135.	3.9	29
457	Middleware Platforms: State of the Art, New Issues, and Future Trends. Signals and Communication Technology, 2014, , 645-674.	0.5	2
458	Efficient allocation of resources in multiple heterogeneous Wireless Sensor Networks. Journal of Parallel and Distributed Computing, 2014, 74, 1775-1788.	4.1	89
459	Virt-B: Towards Performance Benchmarking of Virtual Machine Systems. IEEE Internet Computing, 2014, 18, 64-72.	3.3	6
460	An optimal and stable feature selection approach for traffic classification based on multi-criterion fusion. Future Generation Computer Systems, 2014, 36, 156-169.	7.5	41
461	Survey on Grid Resource Allocation Mechanisms. Journal of Grid Computing, 2014, 12, 399-441.	3.9	63
462	Pareto-Optimal Cloud Bursting. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2670-2682.	5.6	43
463	Trends and challenges in cloud datacenters. IEEE Cloud Computing, 2014, 1, 10-20.	3.9	85
464	OmniSuggest: A Ubiquitous Cloud-Based Context-Aware Recommendation System for Mobile Social Networks. IEEE Transactions on Services Computing, 2014, 7, 401-414.	4.6	61
465	Task-Tree Based Large-Scale Mosaicking for Massive Remote Sensed Imageries with Dynamic DAG Scheduling. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2126-2137.	5.6	53
466	ADAPT-POLICY: Task Assignment in Server Farms when the Service Time Distribution of Tasks is Not Known A Priori. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 851-861.	5.6	7
467	A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems. Sustainable Computing: Informatics and Systems, 2014, 4, 252-261.	2.2	23
468	Performance Analysis of EDF Scheduling in a Multi-Priority Preemptive M/G/1 Queue. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2149-2158.	5.6	27

#	ARTICLE	IF	CITATIONS
469	A Survey of Clustering Algorithms for Big Data: Taxonomy and Empirical Analysis. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 267-279.	4.6	743
470	Randomized approximation scheme for resource allocation in hybrid-cloud environment. Journal of Supercomputing, 2014, 69, 576-592.	3.6	17
471	Pareto frontier for job execution and data transfer time in hybrid clouds. Future Generation Computer Systems, 2014, 37, 321-334.	7.5	31
472	Towards understanding the runtime configuration management of do-it-yourself content delivery network applications over public clouds. Future Generation Computer Systems, 2014, 37, 297-308.	7.5	6
473	Long term and large scale time synchronization in wireless sensor networks. Computer Communications, 2014, 37, 77-91.	5.1	35
474	A Geometric Deployment and Routing Scheme for Directional Wireless Mesh Networks. IEEE Transactions on Computers, 2014, 63, 1323-1335.	3.4	8
475	On Resource Efficiency of Workflow Schedules. Procedia Computer Science, 2014, 29, 534-545.	2.0	8
476	Sample Subset Optimization Techniques for Imbalanced and Ensemble Learning Problems in Bioinformatics Applications. IEEE Transactions on Cybernetics, 2014, 44, 445-455.	9.5	70
477	The p-index: Ranking Scientists Using Network Dynamics. Procedia Computer Science, 2014, 29, 465-477.	2.0	10
478	Message from U-Science 2014 General Chairs. , 2014, , .		0
479	Power-Performance Tradeoff in a Federated Cloud. Computer, 2014, 47, 6-7.	1.1	0
480	Optimal Multiserver Configuration for Profit Maximization in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1087-1096.	5.6	159
481	Hopfield neural network for simultaneous job scheduling and data replication in grids. Future Generation Computer Systems, 2013, 29, 1885-1900.	7.5	14
482	A Bee Colony based optimization approach for simultaneous job scheduling and data replication in grid environments. Computers and Operations Research, 2013, 40, 1564-1578.	4.0	60
483	Ensemble-Based Wrapper Methods for Feature Selection and Class Imbalance Learning. Lecture Notes in Computer Science, 2013, , 544-555.	1.3	48
484	Combining analytic kernel models for energy-efficient data modeling and classification. Journal of Supercomputing, 2013, 63, 790-799.	3.6	3
485	Fractal self-similarity measurements based clustering technique for SOAP Web messages. Journal of Parallel and Distributed Computing, 2013, 73, 664-676.	4.1	15
486	Quantitative comparisons of the state-of-the-art data center architectures. Concurrency Computation Practice and Experience, 2013, 25, 1771-1783.	2.2	79

#	ARTICLE	IF	CITATIONS
487	On the Characterization of the Structural Robustness of Data Center Networks. IEEE Transactions on Cloud Computing, 2013, 1, 1-1.	4.4	80
488	A survey on resource allocation in high performance distributed computing systems. Parallel Computing, 2013, 39, 709-736.	2.1	112
489	Non-intrusive Slot Layering in Hadoop. , 2013, , .		4
490	Throughput Enhancement through Selective Time Sharing and Dynamic Grouping. , 2013, , .		3
491	CA-DAG: Communication-Aware Directed Acyclic Graphs for Modeling Cloud Computing Applications. , 2013, , .		20
492	LWISSy: A domain specific language to model wireless sensor and actuators network systems. , 2013, , .		10
493	Stretch Out and Compact: Workflow Scheduling with Resource Abundance. , 2013, , .		5
494	Handling Uncertainty: Pareto-Efficient BoT Scheduling on Hybrid Clouds. , 2013, , .		23
495	B-Alarm: An Entropy Based Burst Traffic Prediction Approach for Ethernet Switches in Data Centers. , 2013, , .		0
496	Model-driven approach for building efficient Wireless Sensor and Actuator Network applications. , 2013, , .		10
497	MPHC: Preserving Privacy for Workflow Execution in Hybrid Clouds. , 2013, , .		15
498	Exploiting Performance and Cost Diversity in the Cloud. , 2013, , .		18
499	A scheduling algorithm for shared sensor and actuator networks. , 2013, , .		19
500	Editorial for Special Issue on "New Technologies and Applications for Wireless Communications & Mobile Cloud Computing" Mobile Networks and Applications, 2013, 18, 98-102.	3.3	0
501	A study on using uncertain time series matching algorithms for MapReduce applications. Concurrency Computation Practice and Experience, 2013, 25, 1699-1718.	2.2	16
502	Lowest priority first based feasibility analysis of real-time systems. Journal of Parallel and Distributed Computing, 2013, 73, 1066-1075.	4.1	11
503	Energy-aware parallel task scheduling in a cluster. Future Generation Computer Systems, 2013, 29, 1661-1670.	7.5	176
504	Priority-Based Consolidation of Parallel Workloads in the Cloud. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1874-1883.	5.6	55

#	ARTICLE	IF	CITATIONS
505	Distributed anomaly detection for industrial wireless sensor networks based on fuzzy data modelling. <i>Journal of Parallel and Distributed Computing</i> , 2013, 73, 790-806.	4.1	63
506	DLS: A dynamic local stitching mechanism to rectify transmitting path fragments in wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2013, 36, 306-315.	9.1	17
507	An overview of energy efficiency techniques in cluster computing systems. <i>Cluster Computing</i> , 2013, 16, 3-15.	5.0	160
508	Energy-efficient data replication in cloud computing datacenters. , 2013, , .		34
509	Green Data Center Networks: Challenges and Opportunities. , 2013, , .		40
510	Adaptive energy-efficient scheduling for hierarchical wireless sensor networks. <i>ACM Transactions on Sensor Networks</i> , 2013, 9, 1-34.	3.6	27
511	A Fully Distributed Scheme for Discovery of Semantic Relationships. <i>IEEE Transactions on Services Computing</i> , 2013, 6, 457-469.	4.6	5
512	Message from MR.BDI2013 Chairs. , 2013, , .		0
513	GreenCom 2013: Message from Program Chairs. , 2013, , .		0
514	State of the Journal. <i>IEEE Transactions on Computers</i> , 2013, 62, 1-5.	3.4	7
515	Tree-Based Consensus Model for Proline Cis-Trans Isomerization Prediction. , 2013, , .		0
516	Automatic and Autonomous Load Management in Peer-to-Peer Virtual Environments. <i>IEEE Journal on Selected Areas in Communications</i> , 2013, 31, 310-324.	14.0	6
517	HPCC 2013: Message from Program Chairs. , 2013, , .		0
518	Message from the General Chairs of MSN 2013. , 2013, , .		0
519	Energy and Security Awareness in Evolutionary-Driven Grid Scheduling. <i>Studies in Computational Intelligence</i> , 2013, , 95-138.	0.9	2
520	A Message to the Editorial Board. <i>IEEE Transactions on Computers</i> , 2012, 61, 1665-1665.	3.4	0
521	APSCC 2012 Foreword. , 2012, , .		0
522	Welcome message from the P2MNET chairs. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
523	Information fusion techniques applied to Shared Sensor and Actuator Networks. , 2012, , .		8
524	Backfilling under Two-tier Virtual Machines. , 2012, , .		3
525	Network Load Analysis and Provisioning of MapReduce Applications. , 2012, , .		3
526	Non-clairvoyant Assignment of Bag-of-Tasks Applications Across Multiple Clouds. , 2012, , .		15
527	Message from GreenCom 2012 General Chairs. , 2012, , .		0
528	P2MNET 2012: Welcome message from the P2MNET chairs. , 2012, , .		0
529	Assortative mixing in directed biological networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 66-78.	3.0	82
530	Cashing in on the Cache in the Cloud. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1387-1399.	5.6	29
531	New Memoryless Online Routing Algorithms for Delaunay Triangulations. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1520-1527.	5.6	9
532	Energy-efficient three-phase task scheduling heuristic for supporting distributed applications in cyber-physical systems. , 2012, , .		2
533	Using genetic algorithm in reconstructing single individual haplotype with minimum error correction. Journal of Biomedical Informatics, 2012, 45, 922-930.	4.3	11
534	Using Simulated Annealing to Find Lower Bounds of Localization with Noisy Measurements. , 2012, , .		1
535	The implementation of novel idea of translation matrix to maintain QoS for a roaming user between heterogeneous 4G wireless networks. , 2012, , .		0
536	Practical assessment of remotely communicated end-point servers of leading web crawlers. , 2012, , .		2
537	A distributed energy saving approach for Ethernet switches in data centers. , 2012, , .		14
538	Just Satisfactory Resource Provisioning for Parallel Applications in the Cloud. , 2012, , .		8
539	Data-Intensive Workload Consolidation for the Hadoop Distributed File System. , 2012, , .		14
540	Paralleled Genetic Algorithm for Solving the Knapsack Problem in the Cloud. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
541	Workload Characteristic Oriented Scheduler for MapReduce. , 2012, , .		20
542	An accurate on-demand time synchronization protocol for wireless sensor networks. Journal of Parallel and Distributed Computing, 2012, 72, 1332-1346.	4.1	26
543	On graphs supporting greedy forwarding for directional wireless networks. , 2012, , .		2
544	A Pareto Frontier for Optimizing Data Transfer and Job Execution in Grids. , 2012, , .		2
545	On Modelling and Prediction of Total CPU Usage for Applications in MapReduce Environments. Lecture Notes in Computer Science, 2012, , 414-427.	1.3	14
546	Coherent information structure in complex computation. Theory in Biosciences, 2012, 131, 193-203.	1.4	35
547	A PARALLEL METAHEURISTIC FRAMEWORK BASED ON HARMONY SEARCH FOR SCHEDULING IN DISTRIBUTED COMPUTING SYSTEMS. International Journal of Foundations of Computer Science, 2012, 23, 445-464.	1.1	5
548	Energy efficient utilization of resources in cloud computing systems. Journal of Supercomputing, 2012, 60, 268-280.	3.6	506
549	Local measures of information storage in complex distributed computation. Information Sciences, 2012, 208, 39-54.	6.9	130
550	On-demand multicast routing protocol with efficient route discovery. Journal of Network and Computer Applications, 2012, 35, 942-950.	9.1	32
551	Power efficient rate monotonic scheduling for multi-core systems. Journal of Parallel and Distributed Computing, 2012, 72, 48-57.	4.1	29
552	Profit-driven scheduling for cloud services with data access awareness. Journal of Parallel and Distributed Computing, 2012, 72, 591-602.	4.1	94
553	State of the Journal. IEEE Transactions on Computers, 2012, 61, 145-150.	3.4	0
554	State of the Journal. IEEE Transactions on Computers, 2012, 61, 1-2.	3.4	2
555	A Taxonomy of Evolutionary Inspired Solutions for Energy Management in Green Computing: Problems and Resolution Methods. Studies in Computational Intelligence, 2012, , 215-233.	0.9	6
556	Impact of Voltage Levels Number for Energy-Aware Bi-objective DAG Scheduling for Multi-processors Systems. Communications in Computer and Information Science, 2012, , 70-80.	0.5	5
557	On congruity of nodes and assortative information content in complex networks. Networks and Heterogeneous Media, 2012, 7, 441-461.	1.1	17
558	Fuzz-SSVS: A Fuzzy logic based voting scheme to improve protein secondary structure prediction. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
559	Averaging measurement strategies for identifying single nucleotide polymorphisms from redundant data sets. , 2011, , .		0
560	Model-Driven Development of Wireless Sensor Network Applications. , 2011, , .		22
561	Profiling Applications for Virtual Machine Placement in Clouds. , 2011, , .		50
562	Efficient Energy Management Using Adaptive Reinforcement Learning-Based Scheduling in Large-Scale Distributed Systems. , 2011, , .		10
563	An Energy-Efficient Kernel Framework for Large-Scale Data Modeling and Classification. , 2011, , .		1
564	FIS-PNN: A hybrid computational method for protein-protein interaction prediction. , 2011, , .		1
565	Priority-Based Scheduling for Large-Scale Distribute Systems with Energy Awareness. , 2011, , .		14
566	Tradeoffs Between Profit and Customer Satisfaction for Service Provisioning in the Cloud. , 2011, , .		101
567	Service level agreements (SLAs) parameter negotiation between heterogeneous 4G wireless network operators. Pervasive and Mobile Computing, 2011, 7, 525-544.	3.3	13
568	On Using Pattern Matching Algorithms in MapReduce Applications. , 2011, , .		14
569	Energy Conscious Scheduling for Distributed Computing Systems under Different Operating Conditions. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1374-1381.	5.6	270
570	Multispanning Tree Zone-Ordered Label-Based Routing Algorithms for Irregular Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 817-832.	5.6	7
571	State of the Journal. IEEE Transactions on Computers, 2011, 60, 2-2.	3.4	1
572	Identifying Hub Proteins and Their Essentiality from Protein-protein Interaction Network. , 2011, , .		1
573	Message from CGC 2011 Chairs. , 2011, , .		0
574	Nabic front matter. , 2011, , .		0
575	HiCOMB Introduction. , 2011, , .		0
576	APDCM Introduction. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
577	A parallel bi-objective hybrid metaheuristic for energy-aware scheduling for cloud computing systems. Journal of Parallel and Distributed Computing, 2011, 71, 1497-1508.	4.1	281
578	Task assignment in multiple server farms using preemptive migration and flow control. Journal of Parallel and Distributed Computing, 2011, 71, 1608-1621.	4.1	6
579	State of the Journal. IEEE Transactions on Computers, 2011, 60, 609-613.	3.4	0
580	Security for QoS assured wireless and mobile networks. Security and Communication Networks, 2011, 4, 239-241.	1.5	2
581	Performance modeling of Cartesian product networks. Journal of Parallel and Distributed Computing, 2011, 71, 105-113.	4.1	6
582	Some observations on optimal frequency selection in DVFS-based energy consumption minimization. Journal of Parallel and Distributed Computing, 2011, 71, 1154-1164.	4.1	111
583	Fuzzy online location management in mobile computing environments. Journal of Parallel and Distributed Computing, 2011, 71, 1142-1153.	4.1	5
584	Special issue on Advancement of research in wireless access and mobile systems. Journal of Parallel and Distributed Computing, 2011, 71, 1177-1178.	4.1	0
585	VLOC12. , 2011, , .		5
586	Finding lower bounds of localization with noisy measurements using genetic algorithms. , 2011, , .		1
587	Tree-based double-covered broadcast for wireless ad hoc networks. , 2011, , .		4
588	Using semantic Web to build and execute ad-hoc processes. , 2011, , .		4
589	Efficient Resource Selection Algorithm for Enterprise Grid Systems. , 2011, , .		3
590	Information storage and transfer in the synchronization process in locally-connected networks. , 2011, , .		15
591	MapReduce Implementation of Prestack Kirchhoff Time Migration (PKTM) on Seismic Data. , 2011, , .		9
592	LICA. , 2011, , .		9
593	A Taxonomy and Survey of Energy-Efficient Data Centers and Cloud Computing Systems. Advances in Computers, 2011, 82, 47-111.	1.6	529
594	ON THE PERFORMANCE OF STATIC AND DYNAMIC LOCATION MANAGEMENT STRATEGIES IN MOBILE COMPUTING. International Journal of Foundations of Computer Science, 2011, 22, 519-546.	1.1	3

#	ARTICLE	IF	CITATIONS
595	Sample Subset Optimization for Classifying Imbalanced Biological Data. Lecture Notes in Computer Science, 2011, , 333-344.	1.3	15
596	Efficient Hierarchical Task Scheduling on GRIDS Accounting for Computation and Communications. Studies in Computational Intelligence, 2011, , 25-47.	0.9	1
597	Quality of security through triple key scheme in wireless sensor networks. Wireless Communications and Mobile Computing, 2010, 10, 722-732.	1.2	2
598	Local assortativeness in scale-free networks. Europhysics Letters, 2010, 89, 49901.	2.0	19
599	RBT-L: A location based approach for solving the Multiple Sequence Alignment problem. International Journal of Bioinformatics Research and Applications, 2010, 6, 37.	0.2	10
600	A novel integrative phylogenetic analysis system. International Journal of Computational Biology and Drug Design, 2010, 3, 1.	0.3	0
601	Rescheduling for reliable job completion with the support of clouds. Future Generation Computer Systems, 2010, 26, 1192-1199.	7.5	57
602	Robust task scheduling for volunteer computing systems. Journal of Supercomputing, 2010, 53, 163-181.	3.6	18
603	A clustering based hybrid system for biomarker selection and sample classification of mass spectrometry data. Neurocomputing, 2010, 73, 2317-2331.	5.9	13
604	A genetic ensemble approach for gene-gene interaction identification. BMC Bioinformatics, 2010, 11, 524.	2.6	22
605	A multi-filter enhanced genetic ensemble system for gene selection and sample classification of microarray data. BMC Bioinformatics, 2010, 11, S5.	2.6	46
606	Hierarchical kernel mixture models for the prediction of AIDS disease progression using HIV structural gp120 profiles. BMC Genomics, 2010, 11, S22.	2.8	7
607	Resource placement in Cartesian product of networks. Journal of Parallel and Distributed Computing, 2010, 70, 481-495.	4.1	7
608	Cooperative power-aware scheduling in grid computing environments. Journal of Parallel and Distributed Computing, 2010, 70, 84-91.	4.1	49
609	An overview of Channel Assignment methods for multi-radio multi-channel wireless mesh networks. Journal of Parallel and Distributed Computing, 2010, 70, 505-524.	4.1	127
610	A general methodology for direction-based irregular routing algorithms. Journal of Parallel and Distributed Computing, 2010, 70, 363-370.	4.1	3
611	Information modification and particle collisions in distributed computation. Chaos, 2010, 20, 037109.	2.5	98
612	RBT-Km: K-Means clustering for Multiple Sequence Alignment. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
613	Energy Efficient Resource Allocation in Large Scale Distributed Systems. , 2010, , .		9
614	A bi-objective hybrid genetic algorithm to minimize energy consumption and makespan for precedence-constrained applications using dynamic voltage scaling. , 2010, , .		11
615	Profit-Driven Service Request Scheduling in Clouds. , 2010, , .		102
616	ADREA: A Framework for Adaptive Resource Allocation in Distributed Computing Systems. , 2010, , .		5
617	EvolvingSpace: A Data Centric Framework for Integrating Bioinformatics Applications. IEEE Transactions on Computers, 2010, 59, 721-734.	3.4	4
618	Linear Combinations of DVFS-Enabled Processor Frequencies to Modify the Energy-Aware Scheduling Algorithms. , 2010, , .		58
619	On the Effect of Using Third-Party Clouds for Maximizing Profit. Lecture Notes in Computer Science, 2010, , 381-390.	1.3	4
620	SVM-enabled prognostic method for clinical decision making: The use of CD4 T-cell level and HIV-1 viral load for guiding treatment initiation and alteration. , 2010, , .		1
621	Dynamic Job-Clustering with Different Computing Priorities for Computational Resource Allocation. , 2010, , .		3
622	Midpoint routing algorithms for Delaunay triangulations. , 2010, , .		4
623	A framework for real time communication in sensor networks. , 2010, , .		7
624	A voting scheme to improve the secondary structure prediction. , 2010, , .		2
625	A parallel island-based hybrid genetic algorithm for precedence-constrained applications to minimize energy consumption and makespan. , 2010, , .		6
626	Reliable workflow execution in distributed systems for cost efficiency. , 2010, , .		4
627	Resource Allocation for Energy Efficient Large-Scale Distributed Systems. Communications in Computer and Information Science, 2010, , 16-19.	0.5	1
628	A Review of Ensemble Methods in Bioinformatics. Current Bioinformatics, 2010, 5, 296-308.	1.5	399
629	A Structured Tabu Search Approach for Scheduling in Parallel Computing Systems. , 2010, , 354-377.		1
630	SSPT: Secondary Structure Prediction Triangle. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
631	BIO-INSPIRED ALGORITHMS FOR MOBILITY MANAGEMENT. Journal of Interconnection Networks, 2009, 10, 497-516.	1.0	2
632	A novel swarm based feature selection algorithm in multifunction myoelectric control. Journal of Intelligent and Fuzzy Systems, 2009, 20, 175-185.	1.4	7
633	RBT-GA: a novel metaheuristic for solving the multiple sequence alignment problem. BMC Genomics, 2009, 10, S10.	2.8	48
634	A modular kernel approach for integrative analysis of protein domain boundaries. BMC Genomics, 2009, 10, S21.	2.8	8
635	A particle swarm based hybrid system for imbalanced medical data sampling. BMC Genomics, 2009, 10, S34.	2.8	42
636	Intelligent scheduling and replication: a synergistic approach. Concurrency Computation Practice and Experience, 2009, 21, 357-376.	2.2	8
637	Editorial for special issue of "Telecommunication Systems on "Mobility management and wireless access". Telecommunication Systems, 2009, 42, 163-164.	2.5	2
638	Assortativeness and information in scale-free networks. European Physical Journal B, 2009, 67, 291-300.	1.5	34
639	Local assortativity and growth of Internet. European Physical Journal B, 2009, 70, 275-285.	1.5	37
640	Interweaving heterogeneous metaheuristics using harmony search. , 2009, , .		3
641	On the Performance of a Dual-Objective Optimization Model for Workflow Applications on Grid Platforms. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 1273-1284.	5.6	30
642	A New Genetic Algorithm for Scheduling for Large Communication Delays. Lecture Notes in Computer Science, 2009, , 241-252.	1.3	12
643	A Decentralized Method for Scaling Up Genome Similarity Search Services. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 303-315.	5.6	1
644	Detecting Threats in Star Graphs. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 474-483.	5.6	9
645	Keynote: Energy-Aware Scheduling and Resource Allocation for Large-Scale Distributed Systems. , 2009, , .		5
646	A General Methodology for Routing in Irregular Networks. , 2009, , .		3
647	Minimizing Energy Consumption for Precedence-Constrained Applications Using Dynamic Voltage Scaling. , 2009, , .		123
648	A simulation tool for mobility management experiments. International Journal of Pervasive Computing and Communications, 2009, 5, 360-379.	1.3	11

#	ARTICLE	IF	CITATIONS
649	Analysis of protein phosphorylation site predictors with an independent dataset. International Journal of Bioinformatics Research and Applications, 2009, 5, 20.	0.2	4
650	Cellular automata based models of wireless sensor networks. , 2009, , .		14
651	Message from the 2CCom 2009 Symposium Chairs - Volume 2. , 2009, , .		0
652	On Effective Slack Reclamation in Task Scheduling for Energy Reduction. Journal of Information Processing Systems, 2009, 5, 175-186.	0.9	22
653	A modified hopfield network for mobility management. Wireless Communications and Mobile Computing, 2008, 8, 355-367.	1.2	19
654	SiteSeek: Post-translational modification analysis using adaptive locality-effective kernel methods and new profiles. BMC Bioinformatics, 2008, 9, 272.	2.6	25
655	Improved general regression network for protein domain boundary prediction. BMC Bioinformatics, 2008, 9, S12.	2.6	19
656	Game-Theoretic Approach for Load Balancing in Computational Grids. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 66-76.	5.6	97
657	A Proactive Non-Cooperative Game-Theoretic Framework for Data Replication in Data Grids. , 2008, , .		9
658	A Cooperative Game Framework for QoS Guided Job Allocation Schemes in Grids. IEEE Transactions on Computers, 2008, 57, 1413-1422.	3.4	55
659	Inferring Boundary Information of Discontinuous-Domain Proteins. IEEE Transactions on Nanobioscience, 2008, 7, 200-205.	3.3	1
660	On the provisioning of guaranteed QoS in wireless sensor networks through limited service polling models. , 2008, , .		4
661	RBT-I: A novel approach for solving the Multiple Sequence Alignment problem. , 2008, , .		5
662	Performance enhancement through hybrid replication and Genetic Algorithm co-scheduling in data grids. , 2008, , .		5
663	Providing QoS guarantees to multiple classes of traffic in wireless sensor networks. , 2008, , .		8
664	DomNet: Protein Domain Boundary Prediction Using Enhanced General Regression Network and New Profiles. IEEE Transactions on Nanobioscience, 2008, 7, 172-181.	3.3	29
665	Bio-inspired Algorithms for Mobility Management. Parallel Architectures, Algorithms and Networks (I-SPAN), Proceedings of the International Symposium on, 2008, , .	0.0	9
666	Nature Inspired Distributed Computing (NIDISC’08). , 2008, , .		0

#	ARTICLE	IF	CITATIONS
667	Adaptive Locality-Effective Kernel Machine for protein phosphorylation site prediction. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	0
668	INTRUDER CAPTURING IN MESH AND TORUS NETWORKS. International Journal of Foundations of Computer Science, 2008, 19, 1049-1071.	1.1	3
669	Hybrid intelligent methods for solving the mobility management problem. , 2008, , .		1
670	7th international workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS’08). , 2008, , .		0
671	10th workshop on Advances in Parallel and Distributed Computational Models - APDCM'08: Foreword. , 2008, , .		0
672	Local assortativeness in scale-free networks. Europhysics Letters, 2008, 84, 28002.	2.0	75
673	Resource-centric task allocation in grids with artificial danger model support. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	1
674	A Novel State Transition Method for Metaheuristic-Based Scheduling in Heterogeneous Computing Systems. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 1215-1223.	5.6	43
675	Inference of large-scale structural features of gene regulation networks using genetic algorithms. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	0
676	Local information transfer as a spatiotemporal filter for complex systems. Physical Review E, 2008, 77, 026110.	2.1	211
677	Message from the Organizers. , 2008, , .		0
678	Message from the ISPA-08 General Chair. , 2008, , .		0
679	Immune System Support for Scheduling. Advanced Information and Knowledge Processing, 2008, , 247-270.	0.3	1
680	Machine Learning Techniques for Protein Secondary Structure Prediction:An Overview and Evaluation. Current Bioinformatics, 2008, 3, 74-86.	1.5	40
681	Dynamic mobility management. , 2007, , .		0
682	Investigation of Relationships among Excavate Taxa Using a New Quartet-Based Phylogenetic Analysis Method. , 2007, , .		0
683	A Hybrid Policy for Job Scheduling and Load Balancing in Heterogeneous Computational Grids. , 2007, , .		18
684	Effects of Replica Placement Algorithms on Performance of structured Overlay Networks. , 2007, , .		7

#	ARTICLE	IF	CITATIONS
685	Scaling up Genome Similarity Search Services through Content Distribution. , 2007, , .		4
686	Lability of Antiretroviral Drug Resistance Mutations - Correlates with Immunological and Virological Responses. Current HIV Research, 2007, 5, 430-439.	0.5	2
687	6th International Workshop on Performance Modeling, Evaluation, and Optimization of Parallel and Distributed Systems (PMEO-PDS'07). , 2007, , .		0
688	Practical Scheduling of Bag-of-Tasks Applications on Grids with Dynamic Resilience. IEEE Transactions on Computers, 2007, 56, 815-825.	3.4	68
689	An Artificial Immune System for Heterogeneous Multiprocessor Scheduling with Task Duplication. , 2007, , .		3
690	Intelligent Scheduling and Replication in Datagrids: a Synergistic Approach. , 2007, , .		20
691	A Novel Algorithm for Adaptive and Neutral Evolutionary Patterns Associated with HIV Drug Resistance. , 2007, , .		0
692	Evaluation of Overheads in Security Mechanisms in Wireless Sensor Networks. , 2007, , .		8
693	An Interoperability Framework for Sensor and UMTS Networks. , 2007, , .		5
694	Distributing Genome Sequence Databases with a Publish/Subscribe Middleware. , 2007, , .		0
695	An Intelligent Replication Framework for Data Grids. , 2007, , .		7
696	Mobile computing: Opportunities for optimization research. Computer Communications, 2007, 30, 670-684.	5.1	3
697	A Simulated Annealing approach for mobile location management. Computer Communications, 2007, 30, 714-730.	5.1	38
698	Clustering techniques for dynamic location management in mobile computing. Journal of Parallel and Distributed Computing, 2007, 67, 430-447.	4.1	13
699	Single-row mapping and transformation of connected graphs. Journal of Supercomputing, 2007, 39, 73-89.	3.6	8
700	A Combined Genetic-neural Algorithm for Mobility Management. Mathematical Modelling and Algorithms, 2007, 6, 481-507.	0.5	30
701	Artificial life techniques for load balancing in computational grids. Journal of Computer and System Sciences, 2007, 73, 1176-1190.	1.2	57
702	On the performance-driven load distribution for heterogeneous computational grids. Journal of Computer and System Sciences, 2007, 73, 1191-1206.	1.2	36

#	ARTICLE	IF	CITATIONS
703	Nature-inspired distributed computing. Computer Communications, 2007, 30, 653-655.	5.1	3
704	Capturing an intruder in product networks. Journal of Parallel and Distributed Computing, 2007, 67, 1018-1028.	4.1	10
705	Some Properties of WK-Recursive and Swapped Networks. Lecture Notes in Computer Science, 2007, , 856-867.	1.3	6
706	Detecting Non-trivial Computation in Complex Dynamics. , 2007, , 895-904.		15
707	Information-Cloning of Scale-Free Networks. , 2007, , 925-935.		12
708	A Proactive Method for Content Distribution in a Data Indexed DHT Overlay. Lecture Notes in Computer Science, 2007, , 599-610.	1.3	0
709	An Overview of Mobile Computing Algorithmics. Chapman & Hall/CRC Computer and Information Science Series, 2007, , 33-1-33-32.	0.4	0
710	Multi-Robot Social Group-Based Search Algorithms. Automation and Control Engineering, 2007, , 485-507.	0.1	0
711	Scheduling in Grid Environments. Chapman & Hall/CRC Computer and Information Science Series, 2007, , 21-1-21-19.	0.4	0
712	Information Transfer by Particles in Cellular Automata. , 2007, , 49-60.		4
713	Exploring Biocomplexity: New Challenges for High Performance Computing. , 2007, , .		0
714	Distant-Based Resource Placement in Product Networks. , 2007, , .		0
715	Security Issues in Wireless Sensor Networks. , 2006, , .		98
716	A Secure Triple-Key Management Scheme for Wireless Sensor Networks. , 2006, , .		11
717	Multiprocessor scheduling and rescheduling with use of cellular automata and artificial immune system support. IEEE Transactions on Parallel and Distributed Systems, 2006, 17, 253-262.	5.6	57
718	Message from the PEN-PCGCS Workshop Co-chairs. , 2006, , .		0
719	Improving the performance of DomainDiscovery of protein domain boundary assignment using inter-domain linker index. BMC Bioinformatics, 2006, 7, S6.	2.6	25
720	Titan. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
721	IEEE 802.11 networks with dormant mode support. , 2006, , .		0
722	Evidence of Multiple Maximum Likelihood Points for a Phylogenetic Tree. , 2006, , .		2
723	Parallel implementation of a quartet-based algorithm for phylogenetic analysis. , 2006, , .		1
724	Capturing an Intruder in Product Networks. Lecture Notes in Computer Science, 2006, , 193-204.	1.3	2
725	A Brief Overview of Grid Activities for Bioinformatics and Health Applications. , 2005, , 487-508.		0
726	Welcome Message from the Workshop on Performance and Management of Wireless and Mobile Networks Co-chairs. , 2005, , .		0
727	Message from the HiPCoMB-2005 Chairs. , 2005, , .		0
728	An overview of protein-folding techniques: issues and perspectives. International Journal of Bioinformatics Research and Applications, 2005, 1, 121.	0.2	23
729	Design and performance of networks for super-, cluster-, and grid-computing: Part II. Journal of Parallel and Distributed Computing, 2005, 65, 1301-1304.	4.1	0
730	A least flow-time first load sharing approach for distributed server farm. Journal of Parallel and Distributed Computing, 2005, 65, 832-842.	4.1	21
731	A genetic algorithm for finding optimal location area configurations for mobility management. , 2005, , .		36
732	GUEST EDITORIAL: NATURE-INSPIRED DISTRIBUTED COMPUTING. International Journal of Foundations of Computer Science, 2005, 16, 239-240.	1.1	0
733	EFFICIENT CLUSTERING FOR PARALLEL TASKS EXECUTION IN DISTRIBUTED SYSTEMS. International Journal of Foundations of Computer Science, 2005, 16, 281-299.	1.1	8
734	A Productive Duplication-Based Scheduling Algorithm for Heterogeneous Computing Systems. Lecture Notes in Computer Science, 2005, , 203-212.	1.3	7
735	An efficient channel allocation scheme for cellular network using maximum channel packing. Wireless Communications and Mobile Computing, 2004, 4, 683-692.	1.2	1
736	Cellular automata computations and secret key cryptography. Parallel Computing, 2004, 30, 753-766.	2.1	106
737	Modeling external network behavior by using internal measurements. Journal of Parallel and Distributed Computing, 2004, 64, 1345-1359.	4.1	1
738	Parallel and nature-inspired computational paradigms and applications. Parallel Computing, 2004, 30, 551-552.	2.1	0

#	ARTICLE	IF	CITATIONS
739	OSCAR - an opportunistic call admission protocol for LEO satellite networks. , 2004, , .		5
740	An energy-efficient permutation routing protocol for single-hop radio networks. IEEE Transactions on Parallel and Distributed Systems, 2004, 15, 331-338.	5.6	14
741	Application of Cellular Automata for Cryptography. Lecture Notes in Computer Science, 2004, , 447-454.	1.3	6
742	Dynamic Location Management for Mobile Computing. Telecommunication Systems, 2003, 22, 169-187.	2.5	26
743	Some results on the computation of Voronoi diagrams on a mesh with multiple broadcasting. Journal of Parallel and Distributed Computing, 2003, 63, 1300-1314.	4.1	1
744	Some observations on using meta-heuristics for efficient location management in mobile computing networks. Journal of Parallel and Distributed Computing, 2003, 63, 33-44.	4.1	5
745	A time-optimal solution for the path cover problem on cographs. Theoretical Computer Science, 2003, 290, 1541-1556.	0.9	18
746	The use of the simulated annealing algorithm for channel allocation in mobile computing. Wireless Communications and Mobile Computing, 2003, 3, 239-253.	1.2	2
747	Cellular Programming and Symmetric Key Cryptography Systems. Lecture Notes in Computer Science, 2003, , 1369-1381.	1.3	8
748	An efficient parallel prefix sums architecture with domino logic. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 922-931.	5.6	4
749	Evolving cellular automata for location management in mobile computing networks. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 13-26.	5.6	70
750	A comparison of three artificial life techniques for reporting cell planning in mobile computing. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 142-153.	5.6	74
751	MOBILE COMPUTING: OPPORTUNITIES FOR PARALLEL ALGORITHMS RESEARCH. International Journal of Foundations of Computer Science, 2003, 14, 19-37.	1.1	1
752	Function Optimization with Coevolutionary Algorithms. , 2003, , 13-22.		14
753	Parallel and distributed computing with coevolutionary algorithms. , 2002, , .		2
754	Energy-efficient routing in the broadcast communication model. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 1201-1210.	5.6	7
755	Sequential and parallel cellular automata-based scheduling algorithms. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 1009-1023.	5.6	42
756	Artificial life techniques for reporting cell planning in mobile computing. , 2002, , .		9

#	ARTICLE	IF	CITATIONS
757	Mobile computing: opportunities for parallel algorithms research. , 2002, , .		2
758	Observations on using genetic-algorithms for channel allocation in mobile computing. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 948-962.	5.6	32
759	A Genetic Algorithm for Finding the Pagenumber of Interconnection Networks. Journal of Parallel and Distributed Computing, 2002, 62, 267-283.	4.1	15
760	Fault-Tolerant Recursive Least-Squares Computations on a Mesh-Connected Parallel Processor. Journal of Parallel and Distributed Computing, 2002, 62, 1142-1167.	4.1	1
761	On the modelling of actuator dynamics and the computation of prescribed trajectories. Computers and Structures, 2002, 80, 605-614.	4.4	8
762	Enhanced Simulated Annealing Technique for the Single-Row Routing Problem. Journal of Supercomputing, 2002, 21, 285-302.	3.6	12
763	The Single Row Routing Problem Revisited: A Solution Based on Genetic Algorithms. VLSI Design, 2002, 14, 123-141.	0.5	2
764	Coevolution and Evolving Parallel Cellular Automata-Based Scheduling Algorithms. Lecture Notes in Computer Science, 2002, , 362-373.	1.3	0
765	Observations on using genetic algorithms for dynamic load-balancing. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 899-911.	5.6	293
766	Nonconventional computing paradigms in the new millennium: a roundtable. Computing in Science and Engineering, 2001, 3, 82-99.	1.2	8
767	Natural and simulated annealing. Computing in Science and Engineering, 2001, 3, 97-99.	1.2	14
768	The computation of constrained dynamical systems: matching physical modeling with numerical methods. Computing in Science and Engineering, 2001, 3, 28-36.	1.2	1
769	Energy-efficient permutation routing in radio networks. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 544-557.	5.6	29
770	Numerical Computation of Differential-Algebraic Equations for Non-Linear Dynamics of Multibody Systems Involving Contact Forces. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 272-281.	2.9	16
771	SCHEDULING: THEORY AND APPLICATIONS: Guest Editor's Preface. International Journal of Foundations of Computer Science, 2001, 12, 559-564.	1.1	1
772	DNA-based computation. Computing in Science and Engineering, 2001, 3, 94-96.	1.2	0
773	Numerical Computation of Differential-Algebraic Equations for the Approximation of Artificial Satellite Trajectories and Planetary Ephemerides. Journal of Applied Mechanics, Transactions ASME, 2000, 67, 574-580.	2.2	3
774	On the Dynamic Initialization of Parallel Computers. Journal of Supercomputing, 2000, 15, 5-24.	3.6	3

#	ARTICLE	IF	CITATIONS
775	Scalable hardware-algorithms for binary prefix sums. IEEE Transactions on Parallel and Distributed Systems, 2000, 11, 838-850.	5.6	15
776	Computing robot Jacobians on meshes with multiple buses. Microprocessors and Microsystems, 1999, 23, 309-324.	2.8	4
777	Numerical computation of differential-algebraic equations for nonlinear dynamics of multibody android systems in automobile crash simulation. IEEE Transactions on Biomedical Engineering, 1999, 46, 1199-1206.	4.2	7
778	Genetic scheduling for parallel processor systems: comparative studies and performance issues. IEEE Transactions on Parallel and Distributed Systems, 1999, 10, 795-812.	5.6	151
779	Scheduling in Parallel Computing Systems. , 1999, , .		18
780	A parallel collision-avoidance algorithm for robot manipulators. IEEE Concurrency, 1998, 6, 68-78.	0.8	5
781	Time-Optimal Proximity Graph Computations on Enhanced Meshes. Journal of Parallel and Distributed Computing, 1998, 49, 204-217.	4.1	2
782	Bio-inspired solutions to parallel processing problems. Future Generation Computer Systems, 1998, 14, 271-273.	7.5	0
783	Multiprocessor scheduling using mean-field annealing. Future Generation Computer Systems, 1998, 14, 393-408.	7.5	13
784	A framework for reinforcement-based scheduling in parallel processor systems. IEEE Transactions on Parallel and Distributed Systems, 1998, 9, 249-260.	5.6	31
785	A CELL DECOMPOSITION-BASED COLLISION AVOIDANCE ALGORITHM FOR ROBOT MANIPULATORS. Cybernetics and Systems, 1998, 29, 113-135.	2.5	6
786	Simulated Annealing Techniques. Chapman & Hall/CRC Applied Algorithms and Data Structures Series, 1998, , .	0.1	1
787	A COMPARISON OF LIST SCHEDULING HEURISTICS FOR COMMUNICATION INTENSIVE TASK GRAPHS. Cybernetics and Systems, 1997, 28, 535-546.	2.5	7
788	A Mean-Field Annealing Model for the Single-Row Routing Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 543-548.	0.4	0
789	A parallel computing engine for a class of time critical processes. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 774-786.	5.0	9
790	Special Issue on Parallel Evolutionary Computing. Journal of Parallel and Distributed Computing, 1997, 47, 1-7.	4.1	22
791	Parallel processing for real-time simulation: a case study. IEEE Parallel and Distributed Technology, 1996, 4, 49-62.	0.6	17
792	A time- and cost-optimal algorithm for interlocking sets-with applications. IEEE Transactions on Parallel and Distributed Systems, 1996, 7, 1009-1025.	5.6	8

#	ARTICLE	IF	CITATIONS
793	Parallel processing for robot dynamics computations. <i>Parallel Computing</i> , 1995, 21, 649-668.	2.1	4
794	ON THE AUTOMATIC GENERATION OF EFFICIENT COMPUTATIONAL MODELS. <i>Cybernetics and Systems</i> , 1995, 26, 59-78.	2.5	1
795	ON THE COLLISION DETECTION PROBLEM FOR ROBOT MANIPULATORS. <i>Cybernetics and Systems</i> , 1995, 26, 189-210.	2.5	2
796	An error-learning neural network for the tuning of robot dynamic models. <i>International Journal of Systems Science</i> , 1995, 26, 13-31.	5.5	2
797	A parallel simulated annealing algorithm with low communication overhead. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 1995, 6, 1226-1233.	5.6	35
798	SYMBOLIC COMPUTATION OF ROBOT DYNAMIC PARAMETERS. <i>Cybernetics and Systems</i> , 1994, 25, 697-727.	2.5	0
799	Toward generating neural network structures for function approximation. <i>Neural Networks</i> , 1994, 7, 89-99.	5.9	82
800	Extraction and computation of identifiable parameters in robot dynamic models: theory and application. <i>IET Control Theory and Applications</i> , 1994, 141, 48-56.	1.7	3
801	Reinforcement learning for the adaptive control of nonlinear systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1994, 24, 357-363.	0.9	26
802	Adaptive model-based control using neural networks. <i>International Journal of Control</i> , 1994, 60, 1163-1192.	1.9	33
803	Parallel processing for embedded robot dynamics computations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1994, 27, 277-281.	0.4	0
804	HIGH-PERFORMANCE COMPUTING FOR ROBOT DYNAMIC PARAMETERS LEARNING. <i>Cybernetics and Systems</i> , 1994, 25, 421-446.	2.5	0
805	Feedback control of minimum-time optimal control problems using neural networks. <i>Optimal Control Applications and Methods</i> , 1993, 14, 1-16.	2.1	23
806	Comparison of parallel computation schemes for calculating robot Jacobians. <i>Mechatronics</i> , 1993, 3, 107-118.	3.3	0
807	Centralized and decentralized neuro-adaptive robot controllers. <i>Neural Networks</i> , 1993, 6, 223-244.	5.9	29
808	A NEURAL NETWORK APPROACH TO ON-LINE IDENTIFICATION OF NONLINEAR SYSTEMS. <i>Cybernetics and Systems</i> , 1993, 24, 171-195.	2.5	3
809	On the Automatic Generation of Efficient Computational Models. , 1993, , .		0
810	A Distributed-Processing Approach for Robot Dynamics Tuning. <i>Robotica</i> , 1992, 10, 509-520.	1.9	1

#	ARTICLE	IF	CITATIONS
811	On the fast simulation of Direct and Inverse Jacobians for robot manipulators. Robotics and Autonomous Systems, 1992, 10, 43-61.	5.1	1
812	Highly efficient transputer arrays for the computation of robot dynamics. Concurrency and Computation: Practice and Experience, 1992, 4, 185-205.	0.5	2
813	Transputer arrays for the on-line computation of robot jacobians. Concurrency and Computation: Practice and Experience, 1992, 4, 399-412.	0.5	2
814	Efficient robot dynamics for high sampling rate motions: case studies and benchmarks. International Journal of Control, 1991, 54, 793-814.	1.9	13
815	Note on the Hankel matrix. Electronics Letters, 1991, 27, 362.	1.0	2
816	Transputer applications in robotics for dynamic modelling and path planning. Microprocessors and Microsystems, 1990, 14, 565-572.	2.8	1
817	Randomized reinforcement based scheduling in parallel processor systems. , 0, , .		1
818	A performance evaluation of CP list scheduling heuristics for communication intensive task graphs. , 0, , .		21
819	Energy-efficient deterministic routing protocols in radio networks. , 0, , .		1
820	Location management in mobile computing. , 0, , .		18
821	Discovery of parallel scheduling algorithms in cellular automata - based systems. , 0, , .		1
822	Secret key cryptography with cellular automata. , 0, , .		4
823	Parallel Ant Colony Optimization for 3D Protein Structure Prediction using the HP Lattice Model. , 0, , .		13
824	A Simulated Annealing Approach for Mobile Location Management. , 0, , .		11
825	A BLAST Service Built on Data Indexed Overlay Network. , 0, , .		4
826	A Novel Quartet-Based Method for Phylogenetic Inference. , 0, , .		5
827	A Grid Scheduling Algorithm for Bag-of-Tasks Applications Using Multiple Queues with Duplication. , 0, , .		6
828	Data Sharing Pattern Aware Scheduling on Grids. , 0, , .		4

#	ARTICLE	IF	CITATIONS
829	An Efficient Load Balancing Algorithm for Heterogeneous Grid Systems Considering Desirability of Grid Sites. , 0, , .		13
830	Fundamental Tools for Mathematical Computing. , 0, , 13-55.		0
831	Numerical Interface Designs. , 0, , 56-95.		0
832	Curve Visualization. , 0, , 96-126.		0
833	Data Syndication Techniques for Bioinformatics Applications. , 0, , 157-177.		0
834	A Multi-Objective Load Balancing System for Cloud Environments. Computer Journal, 0, , .	2.4	7
835	Enhancing disk input output performance in consolidated virtualized cloud platforms using a randomized approximation scheme. Concurrency Computation Practice and Experience, 0, , e6247.	2.2	0
836	Energy Efficiency Metrics for Data Centers. , 0, , 245-269.		2
837	Bonus computing: towards free-of-charge metacomputing in the public cloud. Computing (Vienna/New) Tj ETQq1 1,0,784314 rgBT /C	4.8	0